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# FIELDIANA

## Botany

NEW SERIES, NO. 18

### Mycological Contributions of Rolf Singer: Field Itinerary, Index to New Taxa, and List of Publications

Gregory M. Mueller and Qixun Wu, Editors

February 28, 1997  
Publication 1482

FIELD MUSEUM  
OF NATURAL HISTORY  
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### *Information for Contributors to *Medicina**

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**Gregory M. Mueller and Qiuxin Wu, Editors**

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## Introduction and Acknowledgments

Rolf Singer, 1906–1994, was one of the most influential figures in the history of mycology. This volume summarizes many of his contributions to the study of fungi. Chapter 1 provides information on his research program, and Chapter 2 presents his field itinerary. Much of this volume consists of an index to all of the genera, species, and infraspecific taxa described by Singer (2,452 specific and infraspecific epithets distributed in 246 genera). This index includes information on the type specimen, place of deposition, and a literature citation for the type description. The index is followed by a bibliography of his 439 publications.

The authors wish to extend their heartfelt thanks to the following people: Michael Huft for creating the program to convert our dBase records into WordPerfect files; Gail Kushino for help in searching for literature, proofreading, photocopying, and other miscellaneous but essential tasks; Elizabeth Moore for keying in data and helping assemble the field itinerary; Martha Singer and Meinhard Moser for checking the bibliography; and the librarians at the Field Museum and the Gray and Farlow libraries at Harvard University. We also wish to thank the three anonymous reviewers whose careful reading of this manuscript greatly improved its quality.

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# Summary of Rolf Singer's Contributions to Mycology

*Gregory M. Mueller*

*Qiuxin Wu*

Rolf Singer, 1906–1994 (Fig. 1), was one of the most influential figures in the history of mycology. This brief chapter distills the collections of facts presented in the rest of this volume in an attempt to synthesize the impact that Rolf Singer had on our knowledge of fungi. Two interesting works by Martha Singer, Rolf's wife and companion of 60 years, provide additional information on his life (M. Singer, 1979, 1984). Several memorials on Rolf Singer have also been published (e.g., Mueller, 1994, 1995; M. Singer, 1994). These papers provide the historical backdrop to the discussions presented below.

While the bulk of Singer's papers dealt with the systematics of Agaricales and related taxa, he also profoundly influenced our knowledge of myco-geography, fungal ecology, and ethnomycology. Contributions to these four topics make up the vast majority of his 439 papers and books (Fig. 2). However, he also published on other topics, including fossil fungi (Singer, 1957e, 1958j, 1990f), polypores (Singer, 1941a, 1943d, 1944b), human pathogens (Singer, 1955g, 1958q), and mountaineering (Singer, 1942e, f). (Complete citations to the papers cited here may be found in Chapter 4.) Singer's first five papers were published in 1922, when he was 16 years old. He continued publishing at an impressive pace for the next 70 years (Fig. 3).

During his career, Singer held academic positions on three continents and traveled extensively throughout the Americas, Europe, and parts of Asia. He also made one trip to North Africa. A detailed itinerary of his collecting expeditions, along with a listing of the countries in which he undertook fieldwork, appears in Chapter 2. These travels left a lasting impression on Singer and pro-

vided him with a unique perspective. He developed an unequaled, worldwide knowledge of the Agaricales, and this, coupled with his keen mind and sharp eye, made him uniquely qualified to influence mycology.

## Systematics and Nomenclature

Singer is probably best known for his impact on the systematics and nomenclature of Agaricales and related taxa. His monumental *The Agaricales in Modern Taxonomy* (Singer, 1986a) has appeared in four editions and is almost universally used as the “accepted” classification of mushrooms and their relatives. His monographs and revisions are often the only modern treatment for many genera.

Singer's role in documenting fungal biodiversity is also unequaled, and he revolutionized what we know about Agaricales in South and Central America. Seventy-four of the 230 genera included in the fourth edition of *The Agaricales in Modern Taxonomy*, or nearly a third of the accepted genera, were proposed by Singer and his colleagues. He also proposed genera in families not treated in *The Agaricales in Modern Taxonomy*, bringing the total new genera to 82 (Table 1). Additionally, he published 2,452 specific and infraspecific epithets distributed in 246 genera (Fig. 4). Type localities for these new taxa occur in 56 countries or possessions (Table 2). However, 85% of them were originally described from the Americas, with Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, and the United States together accounting for 75% (Fig. 5). Holotypes of these new taxa are housed in 40 herbaria throughout the world (Table



Figure 1. Rolf Singer proofreading manuscript pages of the 4th edition of *The Agaricales in Modern Taxonomy* in his office at the Field Museum of Natural History, circa 1985. (Courtesy of Field Museum of Natural History.)

3). Most of the specimens, however, can be found in a relatively few herbaria (Fig. 6). Chapter 3 consists of an index to the genera, species, and infraspecific taxa described by Singer. This index includes information on the type specimen, place of deposition, and a literature citation for the type description.

Singer also influenced the systematics community through his work on botanical nomenclature. He attended most of the International Botanical Congresses from the 1950s on, and he was a long-standing member of the Nomenclature Committee. His publications on the subject ranged from proposals for conservation of names (e.g., Singer, 1946b, 1961j, 1967g) to major discussions of the implications of rule changes (e.g., 1948e, 1950l, 1960g, 1965g, 1983d, 1984e, 1986b, f, 1987d).

## Ecology

Singer's contributions to our knowledge of the biogeography and ecology of fungi were also extremely significant. His publications in these areas

were often the first, or among the first, investigations on the subject. He and his colleagues produced ground-breaking studies on the occurrence and importance of mycorrhizae in various forest types in temperate and tropical South America (e.g., Singer, 1959j, 1960k, 1963i, 1964g, 1971c, 1983f, 1989d). His work along the Amazon and Rio Negro in Brazil helped document the different forest types in the region and the role of fungi in the health and functioning of these systems (1978e, 1984b, c, 1986c, 1988c). He also carried out one of the first detailed community analysis studies on mushrooms in the Americas (Singer, 1965i). Although he published few papers dealing solely with biogeography (e.g., Singer, 1955h, 1967f, 1988f), he included information on biogeography in many of his monographs and regional treatments.

## Ethnomycology and Mushroom Cultivation

Singer's mycological interests also included hallucinogenic and edible fungi. He played an ac-



Figure 2. Books and bound publications of Rolf Singer, as displayed during his 80th birthday testimonial dinner at the Field Museum of Natural History in 1986. (Courtesy of Field Museum of Natural History.)

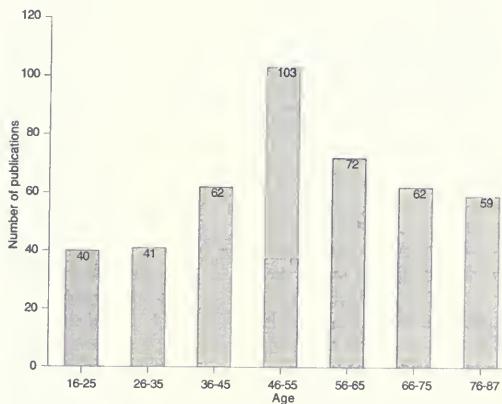


Figure 3. Number of publications of Rolf Singer by age. Singer's first scientific publications appeared in 1922, when he was 16 years old. This publishing effort peaked in his late 40s and early 50s, when he published 103 works in a span of 10 years. In total, Singer published 439 scientific papers or books.

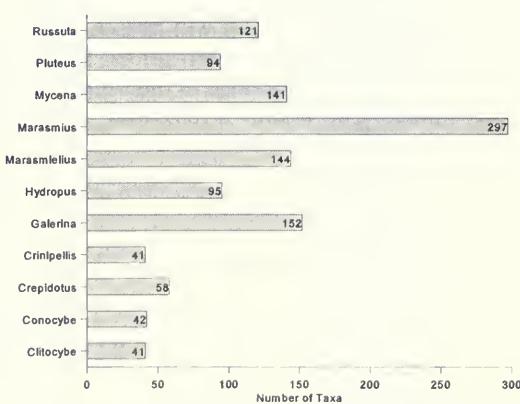


Figure 4. Genera in which Singer and associates described at least 40 new taxa. Singer and associates described 2,452 specific and infraspecific taxa. These were classified into 246 genera. He described 40 or more taxa in 11 of these genera, which account for 50% of his new taxa.

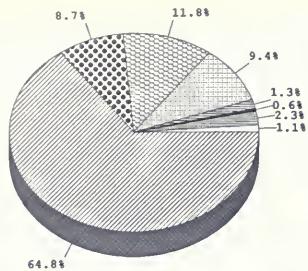


Figure 5. Geographic distribution of Singer's type specimens. Type localities for Singer's new taxa occur in 58 countries or areas. Over 85% of these taxa were described from North, Central, and South America, with Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, and the United States accounting for 75%. Descriptions of 1.1% of the taxa do not include data on the country of origin.

tive role in the identification of the hallucinogenic fungi used in Mexico and in subsequent physiological, ecological, and cultural studies of these fungi (e.g., Singer, 1957f, 1958h, r). Other papers on hallucinogenic fungi include Singer, 1959h, 1960j, and 1978g. He also was active in the study of the cultivation and utilization of edible mushrooms (e.g., Singer, 1961g, 1964i, 1987a).

A summary of his publications does not fully document the impact that Rolf Singer had on mycology. He was an active correspondent, and he responded promptly to the numerous requests for assistance and information. Numerous mycologists had the pleasurable and rewarding experience of working with him in the field, and he facilitated the research of many mycologists, botanists, and zoologists working in the Neotropics.

His presence in mycology will live on through the incredible legacy that he left for us. We hope that the contributions included in this volume will help current and future mycologists tap this wealth of information.

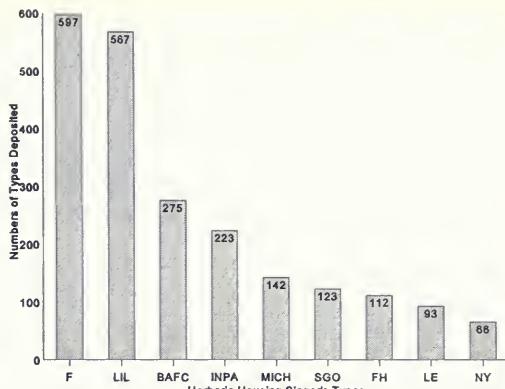


Figure 6. Herbaria with large holdings of Singer's type specimens. Singer's holotypes are preserved in 40 herbaria throughout the world. He consistently deposited type material in the institution where he was working. In some cases, parts of the holotype or paratypic material for South American material are also housed in F, FH, K, or MICH. Although Singer's holotypes are scattered throughout the world, most are concentrated in the herbaria shown in this figure.

## Literature Cited

- Holmgren, P. K., N. H. Holmgren, and L. C. Barnett. 1990. Index Herbariorum. Part I: The Herbaria of the World, 8th ed. New York Botanical Garden, 693 pp.
- Mueller, G. M. 1994. Rolf Singer's mycological legacy. *McIlvainea*, 11(2): 7–9.
- Mueller, G. M. 1995. Rolf Singer, 1906–1994. *Mycologia*, 87: 144–147.
- Singer, M. 1979. Glancing back. *Beiheft Sydowia*, 8: 14–25.
- Singer, M. 1984. Mycologists and Other Taxa. J. Cramer, Braunschweig, Germany, 120 pp.
- Singer, M. 1994. *In memoriam Rolf Singer*. *McIlvainea*, 11(2): 4–6.

TABLE 1. List of new genera published by Rolf Singer.

Genus	Type species basionym	Citation with page no.*
Amparoina	<i>Marasmius spinosissimus</i> Singer	1958a: 110
Amyloflagellula	<i>Cyphella pulchra</i> Berk. & Br.	1966a: 14
Aphyllotus	<i>A. campanelliformis</i> Singer	1973d: 29
Arthosporella	<i>Armillariella ditopa</i> Singer	1970a: 17
Asterotus	<i>Panus dealbatus</i> Berk.	1943c: 161
Austrogaster	<i>A. marthae</i> Singer	1962a: 57
Baeospora	<i>Collybia myosura</i> Fr. <i>sensu</i> Quél. & Ricken	1938a: 191, 193
Boletochaete	<i>Boletus spinifer</i> Pat. & Baker	1944a: 358
Bondarzewia	<i>Polyporus montanus</i> Quél.	1940c: 4
Brauniellula	<i>B. nancyae</i> Smith	1958c: 928
Callistodermatium	<i>C. violascens</i> Singer	1981a: 506
Callistosporium	<i>Gymnopilus palmarum</i> Murr.	1944a: 363
Cantharellula	<i>Cantharellus umbonatus</i> Gmelin:Fr.	1936e: 281
Chaetocalathus	<i>Agaricus craterellus</i> Dur. & Lév.	1942a: 518
Cheimonophyllum	<i>Agaricus candidissimus</i> Berk. & Curt.	1955f: 417
Coprinites	<i>C. dominicana</i> Poinar Jr. & Singer	1990f: 1099
Cyptotrama	<i>C. macrobasidium</i> Singer	1960a: 375
Cystangium	<i>Secotium sessile</i> Massee & Rodway ex Rodway	1960h: 67
Cystoagaricus	<i>Nolanea strobilomyces</i> Murr.	1947b: 85
Cystolepiota	<i>C. constricta</i> Singer	1951e: 281
Dennisiomyces	<i>D. glabrescentipes</i> Singer	1955d: 225
Descolea	<i>D. antarctica</i> Singer	1950i: 256
Diacanthodes	<i>Daedalea philippinensis</i> Pat.	1945c: 141
Endolepiotula	<i>E. ruizlealii</i> Singer	1963a: 260
Epicnaphus	<i>E. phalaropus</i> Singer	1960f: 274, 279
Gerronema	<i>G. melanomphax</i> Singer	1951b: 599
Gloeocantharellus	<i>Cantharellus purpurascens</i> Hesler	1945c: 140
Heimiomyces	<i>Agaricus (Collybia) rheicolor</i> Berk. & Curt.	1942c: 127
Hiatulopsis	<i>Lepiota amara</i> Beeli	1967c: 364
Hybogaster	<i>H. giganteus</i> Singer	1964a: 13
Hygroaster	<i>H. nodulisporus</i> Dennis	1955f: 370
Hygrotrama	<i>H. dennisianum</i> Singer	1958d: 221
Hypsizygus	<i>Pleurotus tessulatus</i> (Bull.:Fr.) Gill.	1947b: 77
Kuehneromyces	<i>Pholiota mutabilis</i> Schaeff.:Fr.	1946d: 504
Lactocylbia	<i>Collybia lacrimosa</i> Heim	1951e: 177
Lampteromyces	<i>Pleurotus japonicus</i> Kawamura	1947b: 79
Leucoagaricus	<i>Leucocoprinus macrorhizus</i> Locquin	1948c: 35
Leucoinocybe	<i>Mycena lenta</i> Maire	1943a: 144
Linderomyces	<i>Paxillus lateritius</i> Petch	1947d: 157
Lulesia	<i>Armillariella densifolia</i> Singer in Singer & Digilio	1970a: 16
Macrolepiota	<i>Lepiota procera</i> Scop.:Fr.	1946g: 141
Macrometrula	<i>Agaricus rubriceps</i> Cooke & Mass.	1948a: 264
Manuripia	<i>M. bifida</i> Singer	1960f: 273, 279
Mycenella	<i>Mycena (Mycenella) margaritispora</i> Lange	1938e: 9
Mycoalvnia	<i>M. theobromicola</i> Singer	1981a: 504
Neoclitocybe	<i>Omphalia byssiseda</i> Bres.	1961b: 55
Neohyphrophorus	<i>Hyphrophorus angelesianus</i> Smith & Hesler	1961b: 46
Neopaxillus	<i>N. echinosporus</i> Singer	1948a: 262
Neosecotium	<i>Secotium macrosporum</i> Lloyd	1960e: 154
Nivatogastrium	<i>Secotium nubigenum</i> Harkness	1959g: 224
Nothoclavulina	<i>N. ditopa</i> Singer	1970a: 18
Nothopanus	<i>Agaricus (Pleurotus) eugrammus</i> Mont.	1944a: 364
Pachylepyrium	<i>Phaeomarasmius fulvidula</i> Sing. in Sing. & Digilio	1957h: 321
Palaeocephala	<i>Marasmius cymatelloides</i> Dennis & Reid	1961b: 60
Panaeolopsis	<i>P. sanmartiniana</i> Singer	1969a: 367
Pegleromyces	<i>P. collybioides</i> Singer	1981a: 500
Phaeogyroporus	<i>Boletus braunii</i> Bres.	1944a: 360
Phellinites	<i>P. degiustoi</i> Singer & Archangelsky	1957e: 41
Phyllobolotellus	<i>P. chloephorus</i> Singer	1951e: 438
Phyllobolites	<i>Paxillus miniatus</i> Rick	1942b: 59
Physocystidium	<i>Collybia cinnamomea</i> Dennis	1962b: 410

TABLE 1. Continued.

Genus	Type species basionym	Citation with page no.*
Pleurocollybia	<i>Collybia (Gymnopus) praemultifolia</i> Murr.	1947b: 80
Pleurocybella	<i>Pleurotus prorigens</i> Pers.:Fr.	1947b: 81
Pleuroflammula	<i>Crepidotus dussii</i> Pat.	1946d: 521
Pleuromycena	<i>P. ellipoidea</i> Singer	1973d: 27
Podabrella	<i>Agaricus microcarpus</i> Berk. & Br. <i>sensu</i> Hoehn.	1945c: 143
Porpoloma	<i>P. sejunctum</i> Singer	1952c: 197, 198
Psiloboletinus	<i>Phylloporus lariceti</i> Singer	1945b: 250
Pyrrhoglossum	<i>Agaricus (Crepidotus) pyrrhys</i> Berk. & Curt.	1944a: 367
Rajapa	<i>Agaricus eurizus</i> Berk.	1945c: 142
Resinomyces	<i>Agaricus rhododendri</i> Peck	1981b: 151
Rhodarrhenia	<i>Merulinus pezizoides</i> Speg.	1964b: 142
Ripartitella	<i>Marasmius squamosidiscus</i> Murr.	1947b: 85
Scytinopogon	<i>Pterula pallescens</i> Bres.	1945c: 139
Smithiomycetes	<i>Leucomyces mexicanus</i> Murr.	1944a: 366
Strobilurus	<i>Agaricus conigenoides</i> Ellis	1962b: 409
Thaxterogaster	<i>T. magellanicum</i> Singer	1951c: 216
Veloporphyrillus	<i>V. pantoleucus</i> Gómez & Singer	1984f: 293
Weraroa	<i>Secotium novaezelandiae</i> Cunningham	1958b: 46
Xanthoconium	<i>Gyroporus stramineus</i> Murr.	1944a: 361
Xerulina	<i>Lentinus chrysopeplus</i> Berk. & Curt.	1961b: 59
Zelleromyces	<i>Zelleromyces cinnabarinus</i> Singer & Smith	1960h: 18

\* See Chapter 4, this volume, for complete citations.

TABLE 2. Type localities and numbers of Singer's new taxa.

Afghanistan	2	England	2	New Zealand	1
Antarctica	4	Finland	10	Nicaragua	2
Argentina	544	France	1	Panama	18
Australia	9	Germany	4	Peru	12
Austria	20	Guadeloupe	3	Philippines	3
Belize	4	Guiana	2	Scotland	1
Bolivia	206	Henderson Islands	3	South Africa	1
Br. West Indies	1	Honduras	2	Spain	27
Brazil	378	India	8	Switzerland	15
Cambodia	1	Indonesia	3	Trinidad	7
Canada	5	Italy	1	Uganda	1
Chile	198	Japan	5	Uruguay	3
China	4	Liberia	10	USA	279
Colombia	113	Madagascar	1	USSR	127
Costa Rica	66	Martinique	1	Venezuela	39
Cuba	2	Mexico	116	Vietnam	2
Czechoslovakia	22	Netherlands	1	Zaire	42
Dominican Republic	1	New Guinea	3	Zimbabwe	1
Ecuador	82	New Caledonia	2	Unknown	31

TABLE 3. Herbaria with holdings of Singer's type specimens.\*

BAFC	275	INPA	223	Patouilla	1
BPI	3	K	20	R	2
BR	34	KAZ	1	RPC	1
BUF	1	Kohlmeyer	1	Ruiz Leal	3
DAOM	3	L	2	S	14
ENCB	4	LAU	2	SAM	2
F	597	LE	93	SGO	123
FH	113	LIL	567	SP	1
FRI	2	MEDEL	1	TENN	1
Favreano	1	MICH	142	UNC	1
H	1	NY	66	W	4
HUA	2	PC	1	WU	13
IA	3	PR	1	Unknown†	141
IAA	2	PUN	2		

\* When two herbaria are cited in Singer's publication, both are counted as having the type specimen. Herbarium abbreviations are from *Index Herbariorum* (Holmgren et al., 1990).

† Most are pre-1958, before designation of type specimen was mandatory.



# The Field Itinerary of Rolf Singer

*Betty A. Strack  
Gregory M. Mueller*

Rolf Singer maintained an incredibly active fieldwork program, with mycological collecting trips undertaken to many areas of North, Central, and South America, Europe, and Japan throughout his career. Because of the complexity of his field program and because he deposited specimens at the herbaria where he was working, we felt his field itinerary would be useful to document when and where he collected. Table 4 lists the countries where Singer undertook fieldwork, and his field itinerary is given in Table 5.

Until 1941 Rolf Singer collected fungi in various parts of Europe and Asian Soviet Union. He began gathering mushrooms as a boy in the forests around his parents' home in the small village of Schliersee in southern Germany. From 1928 to 1931 he primarily collected in Austria while he was studying for his Ph.D. at the University of Vienna. He also undertook the first mycological expeditions to the western part of the Caucasus Mountains in 1928 and 1929. In 1934 he moved to Spain, then France, collecting fungi in both countries. Singer then lived in the Soviet Union (1935–1940), where he undertook mycological trips around Leningrad (St. Petersburg) and expeditions to the Caucasus and Altai Mountains, Siberia, and Karelia.

Singer moved to the United States in 1941 and worked at the Farlow Herbarium at Harvard University until 1948. In addition to collecting in the northeastern United States, Singer became acquainted with subtropical fungi while carrying out fieldwork in southern Florida. From 1948 to 1968 Singer held positions in Tucumán and Buenos Aires, Argentina, and Santiago, Chile. In addition to collecting throughout Argentina and Chile, he undertook fieldwork during this time in Bolivia, Bra-

zil, Colombia, Peru, and Uruguay, as well as in Mexico, the United States, and several countries in Europe, including Austria, the Netherlands, and Sweden. After moving to Chicago in 1968, Singer continued an intensive field schedule in South America (including Amazonian Brazil), Europe (especially Czechoslovakia, Austria, and Switzerland), Mexico, and the United States, and he started fieldwork in Costa Rica and Japan. Other places where Singer collected in more recent years included Puerto Rico, Honduras, and Morocco.

Table 5 lists most of Singer's fieldwork itinerary from 1941 to 1992. Data in Table 5 were obtained from his field notebooks and from label data of Singer collections housed at F (herbarium abbreviations follow Holmgren et al., 1990). Information before 1941 was either lacking or too difficult to accurately interpret. In addition to providing a historical record, Table 5 lists the time when he was in the field by year, to help readers locate the herbaria in which he deposited specimens from specific localities, and by month of each year, to provide information on seasonality of fruiting. Since Singer routinely deposited specimens in the institution of the country in which he was working, information on the countries where he collected may help researchers locate herbaria most likely to have Singer specimens in its holdings. In other cases, he deposited his collections at his home institution. For example, specimens from Singer's 1977 and 1978 Amazon expeditions in Brazil are located in Manaus, Brazil, at INPA, whereas many of Singer's specimens collected in 1974 in Czechoslovakia are housed in Chicago at F, his home institution. Holotypes of taxa described by Singer are preserved in 40 herbaria worldwide (see Table 3, page 7).

Some countries (e.g., Argentina, Brazil, and the United States) are subdivided into smaller areas in Table 5 because these large countries have diverse habitats and may have Singer collections in more than one herbarium. Most of his collections from subtropical Argentina and Brazil are deposited in LIL and BAFC, while specimens from temperate Argentina are primarily in BAFC. Most tropical Brazilian specimens are housed at INPA.

Many of Singer's collections were made on local day excursions from his then current home. The parts of the countries where Singer had extended residences along with his home institutions are presented here. These are southern Germany (until 1928, and from 1931 to 1933); Vienna, Austria (W, 1928–1931 and 1933); Barcelona, Spain (BCB, 1934–1935), and Paris, France (PC, 1935); Leningrad, USSR (LE, 1935–1940); Cambridge, Massachusetts, USA (FH, 1941–1948); Tucumán, Argentina (LIL, 1948–1961); Buenos Aires, Argentina (BAFC, 1961–1967); Santiago, Chile (SGO, 1967); Manaus, Brazil (INPA, 1977–1979); and Chicago, USA (F, 1968–1994). Records of these local collecting trips, especially the earlier ones (e.g., Massachusetts area, United States, from 1941 to 1948), may not be listed in Table 5.

Rolf Singer used what at first appears to be a complicated numbering system for his collections. However, if one understands the system, it is usually possible to predict where his collections might be housed. He organized his collections and corresponding field notebooks by numbers with

an assigned letter prefix. These letters correspond to the general areas where he collected, which in turn are related to where the collections might have been deposited. For the most part, the letters representing specific areas, with the most likely herbaria for housing those collections given in parentheses, are: A = Asia (low numbers at W, high numbers at F); B = tropical South America (LIL, BAFC, INPA, F); C = Europe (low numbers in European herbaria, high numbers mostly at F); F = Florida, USA (mostly at FH); M = Mexico and southern South America (LIL, BAFC, SGO, some at F); N = North America except Florida and Mexico (MICH and F); S = Buenos Aires region, Argentina (LIL, BAFC); and T = subtropical South America, Tucumán region, Argentina (LIL, BAFC, few at F). He used four additional small series of numbers: MA = Mexico (F), H = Hawaii, USA (F), V = Virginia, USA (FH), and W = White Mountains, New Hampshire, USA (FH). Herbarium abbreviations are from *Index Herbariorum* (Holmgren et al., 1990).

Even though this itinerary remains incomplete, over 50 years of Rolf Singer's diverse field program is presented here. This compilation provides information on the geographic breadth of his collections and taxonomic work.

## Literature Cited

Holmgren, P. K., N. H. Holmgren, and L. C. Barnett  
1990. *Index Herbariorum. Part I: The Herbaria of the World*, 8th ed. New York Botanical Garden, 693 pp.

TABLE 4. Rolf Singer's fieldwork, by country and year.\*

Country	Year(s)
Argentina	1948–1952, 1955–1966, 1969, 1988–1990
Austria	1928–1931, 1960, 1964, 1970, 1976, 1979, 1985, 1987
Bolivia	1956
Brazil	1951, 1952, 1956, 1957, 1960, 1961, 1964, 1966, 1977–1981, 1983, 1985
Canada	1984
Chile	1963, 1965, 1967
Colombia	1960, 1968
Costa Rica	1981, 1983, 1984, 1986, 1989
Czechoslovakia	1970, 1974, 1979
Denmark	1964
Ecuador	1973
France	1935?, 1970, 1971
Germany	Until 1928, 1931–1933, 1970, 1987
Great Britain	1960, 1970, 1971
Honduras	1991
Iceland	1985
Italy	1970
Japan	1983, 1984
Mexico	1957, 1969, 1982, 1988
Morocco	1992
The Netherlands	1960
Norway	1964
Peru	1958
Portugal	1961
Puerto Rico	1987
Spain	1934, 1961, 1979
Sweden	1964
Switzerland	1964, 1970, 1971, 1976, 1980, 1984
Uruguay	1952, 1965, 1966
USA	1941–1947, 1953, 1958, 1968–1976, 1979–1992
USSR	1928, 1929, 1935–1940
Yugoslavia	1970

TABLE 5. Itinerary of Rolf Singer's fieldwork since 1941.\*

Year	Month(s)	Country, Region
1941	Sept	USA, NY
1942	Jul–Dec	USA, FL
1943	Jan–Jul	USA, FL
1945	Aug	USA, NH
1946	Jul, Aug	USA, VA
1947	Jun, Jul	USA, VA
1947	Jul, Aug	USA, FL
1948	Dec	Argentina, subtropical
1949	Oct–Dec	Argentina, subtropical
1950	Jan, Mar–May, Jul, Oct–Dec	Argentina, subtropical
1950	Feb	Argentina, temperate
1951	Jan, Feb–May, Dec	Argentina, subtropical
1951	Oct, Nov	Brazil, non-Amazonian
1952	Jan, Feb, May	Argentina, subtropical
1952	Sept	Uruguay
1952	Sept	Brazil, non-Amazonian
1953	Jun–Aug	USA, MI
1955	Jan–Jun	Argentina, subtropical
1956	Jan–Mar	Bolivia
1956	Mar	Brazil, Amazonian
1956	Apr–Dec	Argentina, subtropical
1956	Jun	Argentina, temperate
1957	Jan–Jun	Argentina, subtropical
1957	Apr	Brazil, non-Amazonian
1957	Jul	Mexico
1958	Jan, Feb	USA, CA
1958	May	Peru
1958	Jun, Jul, Sept, Oct, Dec	Argentina, subtropical
1959	Jan, Feb, Apr–Dec	Argentina, subtropical
1960	Jan, Mar–May	Argentina, subtropical
1960	Feb, Apr	Argentina, temperate
1960	Jul	Brazil, Amazonian
1960	Jul	Brazil, non-Amazonian
1960	Jul	Colombia
1960	Sept, Oct	Austria
1960	Oct, Dec	Great Britain
1960	Oct, Dec	The Netherlands
1961	Jan	Spain, incl. Canary Islands
1961	Jan	Portugal
1961	Jan	Brazil
1961	Jan, Feb	Argentina, temperate
1961	Feb–Jun	Argentina, subtropical
1961	Oct	Brazil, non-Amazonian
1962	Jan–May	Argentina, subtropical
1962	Jun, Jul, Oct–Dec	Argentina, temperate
1963	Jan–May, Jul, Sept, Nov	Argentina, temperate
1963	Feb	Argentina, subtropical
1963	Mar, Apr	Chile
1964	Mar, Apr, Jun	Argentina, temperate
1964	Apr, Dec	Brazil, non-Amazonian
1964	Aug	Sweden
1964	Aug	Norway
1964	Aug	Denmark
1964	Sept	Switzerland
1964	Sept	Austria
1965	Jan, Feb	Argentina, subtropical

TABLE 5. Continued

Year	Month(s)	Country, Region
1965	Jan, Dec	Uruguay
1965	May	Chile
1966	Feb	Argentina, subtropical
1966	May	Uruguay
1966	Jun, Dec	Brazil, Amazonian
1966	Nov	Argentina
1967	Mar-Oct	Chile
1968	Apr, May	Colombia
1968	May-Oct, Dec	USA, IL, WI, TN
1969	Feb, Sept, Oct	USA, CA, IL, MI
1969	Apr	Argentina, temperate
1969	Jun-Aug	Mexico
1969	Aug	USA, CO
1970	May, Jun, Sept	USA, IL
1970	Jul, Aug	Austria
1970	Jul, Aug	Switzerland
1970	Aug	Yugoslavia
1970	Sept, Oct	Czechoslovakia
1970	Oct	Great Britain
1970	Nov	Germany
1970	Dec	France
1970	Dec	Italy
1971	Feb, Apr-Aug,	Switzerland
1971	Nov	
1971	May, Jun, Aug	France
1971	Oct	USA, IL
1971	Nov	Great Britain
1972	Apr, Jul-Sept, Nov	USA, IL, WI
1973	Apr, May	Ecuador
1973	Jul-Oct	USA, IL, MI, WI
1974	May, Sept, Oct	USA, IL
1974	Jun-Sept	Czechoslovakia
1975	Apr-Jul, Sept-Nov	USA, CA, IL, MI, WI
1976	Apr-Jul	Austria
1976	Jul-Nov	USA, IL, IN, CO
1976	Aug	Switzerland
1977	Apr-Dec	Brazil, Amazonian
1978	Jan-Dec	Brazil, Amazonian
1979	Jan	Brazil, Amazonian
1979	May-Jul	USA, CO, IL
1979	Jul-Nov	Austria
1979	Oct	Czechoslovakia
1979	Oct	Spain
1980	Jan-May	Brazil, Amazonian
1980	Jun-Aug	USA, IL, WI
1980	Sept	Switzerland
1981	Jan	USA, HI
1981	Apr, Jun, Aug,	USA, IL, CO, MI
1981	Sept, Nov	
1981	Jun, Jul	Brazil, Amazonian
1981	Jul, Aug	Costa Rica
1982	Feb, May-Oct	USA, CA, MO, IL, MI, AR
1982	Oct, Nov	Mexico
1983	Jan, May, Jul,	USA, CA, IL
1983	Sept-Nov	
1983	Mar	Brazil, Amazonian
1983	Jun	Costa Rica
1983	Sept	Japan

TABLE 5. Continued

Year	Month(s)	Country, Region
1984	May, Jun, Aug-Oct	USA, IL
1984	Jun	Costa Rica
1984	Jul	Switzerland
1984	Sept	Canada, Ontario
1984	Oct	Japan
1985	May	Brazil, Amazonian
1985	Jun, Jul	USA, IL
1985	Aug	Iceland
1985	Sept, Oct	Austria
1986	May-Oct	USA, IL, MA, WA, OR
1986	Jul, Aug	Costa Rica
1987	Feb	Puerto Rico
1987	Jul	Germany
1987	Aug	Austria
1988	Feb, Mar	Argentina, temperate
1988	Jul-Oct, Dec	USA, IL
1988	Oct	Mexico
1988	Nov	USA, WA, OR
1989	Feb, Apr	Argentina, temperate
1989	Jun-Sept	USA, IL, WI
1989	Nov	Costa Rica
1990	Jan, Feb	Argentina, temperate
1990	Dec	USA, FL
1991	Jan, Feb, Dec	USA, FL
1991	Jul	Honduras
1991	Sept	USA, IL
1992	Jul, Aug	USA, IL
1992	Dec	Morocco

\* Some USA localities are not included in this itinerary.

# An Index to Genera, Species, and Infraspecific Taxa of Basidiomycete Fungi Described by Rolf Singer

*Qiuxin Wu*

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*Clark L. Ovrebo*

In the following index, genus, species, variety, and form names published by Rolf Singer are listed alphabetically with literature citations and type specimen information. This index is intended to treat specimen-based taxa that Singer described in the literature. New genus names are included. New combinations, *nomina nova*, and supraspecific names are not listed here. Literature citations (i.e., year and a suffix: page number—e.g., 1969a: 319) correspond to the listings in Chapter 4, where full citations are given. Holotype information, including type locality, date, collector, collection number, and herbarium of deposit, is from Singer's original publications. In the few cases of discrepancies found between Singer's publications, we consulted his unpublished field notebooks and appended a short note or discussion to the listing. Many of Singer's taxa were described before enforcement of certain rules by the International Code of Botanical Nomenclature (i.e., 1 January 1935 for Latin diagnosis and 1 January 1958 for typification). Taxa described after 1935 without a Latin diagnosis are annotated with "no Latin diagnosis." Some taxa described before 1958 have data on the geographic origin of the type specimens but do not have a designated holotype. These data are presented following "Type information" to separate them from those having complete holotype information, which follows "HOLOTYPE." A question mark (?) after an herbarium name indicates that the herbarium is the possible place of deposit, based on Singer's unpublished field notes and Singer's habit of depos-

iting type specimens in the institution where he was working, even though it was not clearly stated in his publication. Herbarium abbreviations are from *Index Herbariorum* (Holmgren et al., 1990, New York Botanical Garden, Bronx. 693 pp.).

## ACURTIS

*sericeus* ssp. *antarcticus* Singer, 1959n: 587

HOLOTYPE: Australia. Macquarie Island: Half Moon Bay, 31 January 1951, *Bunt* (LIL)

## AERUGINOSPORA

*hiemalis* Singer & Cléménçon, 1971b: 118

HOLOTYPE: Switzerland. Vaud: Botanical Garden Lausanne, 15 February 1971, Singer C 5251 (F)

## AGARICUS

*nebulosum* Singer, 1969a: 165

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, Singer M 6511 (SGO)

*valdiviae* Singer, 1965i: 161

HOLOTYPE: Chile. Valdivia: Hueycolla, 30 March 1963, Singer M 3237 (BAFC)

## AGROCYBE

*aegerita* var. *rugosovenosa* Singer, 1953b: 19

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 26 February 1952, Singer T 1875 (LIL)

*allocystis* Singer, 1969a: 225

HOLOTYPE: Argentina. Buenos Aires: Sierra de la Ventana, 15 November 1962, Singer S 348 (BAFC)

## AGROCYBE

- coprophila* Singer, 1941e: 99  
Type information: USSR. Altai Mtns., Singer & Vasilieva (LE?)
- firma* var. *tucumana* Singer, 1959b: 398  
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2130* (LIL). The type information for this taxon is identical to that of *Agrocybe tucumana* Singer (1973d: 76), except for the herbarium of deposit, which is BAFC.
- insignis* Singer, 1941b: 85  
Type information: USSR. Terskiense, *Lobik* (LE?)
- karelica* Singer, 1941b: 85  
Type information: Finland. Karelia: near Kivacz, May 1935, *Freindling* (LE?)
- lazoi* Singer, 1969a: 222  
HOLOTYPE: Chile. Valparaíso: Viña del March, 28 July 1966, *Lazo VI-17* (SGO)
- microspora* Singer, 1977g: 205  
HOLOTYPE: USA. Illinois: Morton Arboretum, 16 May 1970, *Singer N 2100* (F)
- paradoxa* Singer, 1973d: 76  
HOLOTYPE: Argentina. Tucumán: near Taff del Valle, 29 January 1962, *Singer T 3767* (BAFC)
- procera* Singer, 1969a: 224  
HOLOTYPE: Chile. Valparaíso: Viña del Mar, March 1966, *Lazo VI-1* (SGO)
- tucumana* Singer, 1973d: 76  
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2130* (BAFC). The type information for this species is identical to that of *Agrocybe firma* var. *tucumana* (1959b: 398), except for the herbarium of deposit.
- viscosa* Singer, 1969a: 223  
HOLOTYPE: Chile. Santiago: Maipú, 8 September 1966, *Lazo RI-8* (SGO)
- xerophytica* Singer, 1959b: 399  
HOLOTYPE: Argentina. Tucumán: above San Pedro de Colalao, 21 January 1955, *Singer T 2053* (LIL)

## ALNICOLA

- devia* Singer, 1950a: 150  
HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 9 June 1949, *Singer S 111* (LIL)
- diplocystis* Singer, 1950a: 151  
HOLOTYPE: Argentina. Tucumán: above Taff del Valle, 1 May 1949, *Singer T 503* (LIL)
- lignicola* Singer, 1939a: 67  
Type information: USSR. Kazakhstan: Alma Ata, Nevodovski (LE?)

## AMANITA

- aestivalis* Singer ex Singer, 1959b: 390  
HOLOTYPE: USA. Michigan: Cheboygan County, Burt Lake, 29 July 1953, *Singer N 899* (F)

## *diemii* Singer, 1954b: 120, 121

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 13 May 1952, *Singer M 562* (LIL)

## *foetens* Singer, 1953b: 15

HOLOTYPE: Argentina. Tucumán: Pié del Periquillo, 30 December 1951, *Singer & Helberger T 1672* (LIL)

## *humboldtii* Singer, 1963b: 241

HOLOTYPE: Colombia. Cundinamarca: above Pacho, Los Robedales, 26 July 1960, *Singer B 3527* (BAFC)

## *lilloi* Singer in Singer & Digilio, 1951e: 245

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 6 November 1950, *Grassi [Singer no.] T 1016* (LIL) [Published in 1952]

## *nana* Singer, 1941b: 85

Type information: USSR. Kazakhstan, April 1915, *Fedtschenko* (LE?)

## AMPAROINA Singer, 1958a: 110

- Type species: *Marasmius spinosissimus* Singer  
*heteracantha* Singer, 1976j: 58

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 19 April 1968, *Singer B 6250* (F)

## AMYLOFLAGELLULA Singer, 1966a: 14

Type species: *Cyphella pulchra* Berk. & Br.

## ANTHACOPHYLLUM

### *paxilloides* Singer, 1955d: 227

HOLOTYPE: Brazil. Pernambuco: Recife, Dois Irmãos, 10 April 1955, *Jose de Silva & Batis-ta 2225* (LIL)

## APHYLLLOTUS Singer, 1973d: 29

Type species: *A. campanelliformis* Singer

### *campanelliformis* Singer, 1973d: 29

HOLOTYPE: Colombia. Cundina marca: Futa-gasuga, 11 April 1968, *Singer B 6034* (F)

## ARCANGELIELLA

### *crassa* Singer & Smith, 1960h: 74

HOLOTYPE: USA. California: Stanislaus National Forest, 25 July 1931, *Patty s.n.* (NY)

## ARMILLARIELLA

### *affinis* Singer, 1989a: 12

HOLOTYPE: Costa Rica. Heredia: Varablanca, near Hacienda "Tirol", 11 June 1984, *Singer B 14615* (F)

*clavuligera* Singer in Singer & Digilio, 1951e:

70

HOLOTYPE: Argentina. Tucumán: Santa Rosa, 17 December 1950, *Singer T 1060* (LIL). [Published in 1952]

*densifolia* Singer in Singer & Digilio, 1951e:

72

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 2 April 1949, *Singer T 367* (LIL). [Published in 1952]

*ditopa* Singer, 1950c: 191

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 10 April 1949, *Singer & Digilio* [*Singer no.*] *T 403* (LIL). The type information is identical to that of *Nothoclavulina ditopa* Singer (1970a: 18).

*griseomellea* Singer, 1969a: 40

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 1-4 May 1967, *Singer M 6574* (SGO)

*minuta* Singer & Digilio, 1954b: 106, 107

Type information: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, May 1952, *Singer M 576/M 667?* (LIL)

*montagnei* Singer, 1956f: 182

HOLOTYPE: Argentina. Neuquén: Quetrihué, 13 May 1952, *Singer M 513* (LIL)

*montagnei* var. *umbrinobrunnea* Singer, 1956f:

183

HOLOTYPE: Argentina. Neuquén: Quetrihué, 14 May 1952, *Singer M 596* (LIL)

*puiggarii* ssp. *tigrensis* Singer, 1970a: 8

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 1 June 1949, *Singer S 58* (LIL)

*saviczii* Singer, 1938e: 6

Type information: USSR. Savicz (LE?)

*sparrei* Singer, 1956f: 183

HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Quebrado Piedra Agujereada, 12 March 1955, *Sparre F 33* (R, LIL)

*sparrei* var. *elaeodes* Singer, 1969a: 45

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 18 May 1952, *Singer M 741* (LIL)

*sparrei* var. *xantha* Singer, 1969a: 45

HOLOTYPE: USA. Michigan: Hell, 23 September 1957, *Singer M 1620* (MICH)

*viridiflava* Singer, 1989a: 12

HOLOTYPE: Spain. Catalonia: Mountains near Tossa, 24 October 1979, *Singer C 9601* (F)

*yungensis* Singer, 1970a: 12

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B 1268* (LIL)

**ARTHROSPORELLA** Singer, 1970a: 17

Type species: *Armillariella ditopa* Singer

**ASTEROTUS** Singer, 1943c: 161

Type species: *Panus dealbatus* Berk.

*argentinus* Singer in Singer & Digilio, 1951e:

107

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1136* (LIL). [Published in 1952].

*graminum* Singer, 1969a: 57

HOLOTYPE: Argentina. Neuquén: Cerro Colorado, 9-10 March 1959, *Singer M 1733* (BAFC)

**AUSTROBOLETUS***graciliaffinis* Singer, 1989a: 126

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 31 March 1980, *Webber* [*Singer no.*] *B 12088* (INPA)

*neotropicalis* Singer, Garcia & Gómez, 1991a: 53, 88

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez* 18708 (F)

*olivaceus* Singer, 1983f: 132

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1978, *Singer & Araujo* [*Singer no.*] *B 11323* (INPA)

**AUSTROGASTER** Singer, 1962a: 57

Type species: *Austrogaster marthae* Singer

*baeospermum* Singer, 1969a: 360

HOLOTYPE: Argentina. Río Negro: Cerro Otto, February 1934, *Burkart 4400* (BAFC)

*marthae* Singer, 1962a: 57

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, February, *Singer M 3040* (LIL)

**BAEOSPORA** Singer, 1938a: 191, 193

Type species: *Collybia myosura* Fr. *sensu* Quél & Ricken

*mundula* Singer, 1989a: 90

HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumazinho, 14 May 1980, *Singer B 12168* (INPA)

*oligophylla* Singer, 1938a: 194

Type information: USSR. Altai Mtns.: Czuiskie Alpy, August 1937, *Singer & Vasiliева* (LE?)

*pallida* Singer, 1978h: 40

HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7451* (F)

**BOLBITIUS**

*exiguus* Singer, 1936i: 433

Type information: Spain. Catalonia: Pyrenees Mtns., July 1934.

*mesosporus* Singer, 1977g: 219

HOLOTYPE: Ecuador. Tungurahua: Baños, 27 April 1973, *Singer B* 7148 (F)

*tucumanensis* Singer, 1959b: 398

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, 25 January 1955, *Singer T* 2081 (LIL). Also published in Singer, 1961b: 69.

**BOLETELLUS**

*ananas* var. *crassotunicatus* Singer, 1983f: 152

HOLOTYPE: Nicaragua. Slilma Sia, May 1976, *Ivory S/23* (F)

*ananas* var. *minor* Singer, 1983f: 153

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracarái, km 115, 4 April 1978, *Singer B 10913* (INPA)

*coccineus* var. *amarus* Singer, 1992a: 8

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, *Gómez & Alfaro 22101* (F)

*fibuliger* Singer, 1983f: 154

HOLOTYPE: Venezuela. Dto Federal: Parque Nacional El Avila, 27 July 1972, *Dumont, Cain & Samuels* [Dumont no.] VE-6201 (NY)

*ivoryi* Singer, 1983f: 163

HOLOTYPE: Belize. Augustine: Forest Station, 18 June 1976, *Ivory S/125* (F)

*linderi* Singer, 1945a: 134

Type information: Liberia. Miami, *Linder 408* (FH)

*pictiformis* var. *fallax* Singer, 1945a: 132

HOLOTYPE: USA. Florida: Alachua County, Kelley's Hammock, 14 July 1943, *Singer F 2716* (FH)

**BOLETINUS**

*asiaticus* Singer, 1938d: 164

Type information: USSR. (LE?)

*oxydabilis* Singer, 1938d: 160

Type information: USSR. Altai Mtns.: Lake Telezkoje, September 1937, *Singer* (LE?)

**BOLETOCHAETE** Singer, 1944a: 358

Type species: *Boletus spinifer* Pat. & Baker

*brunneosetosa* Singer, 1944a: 359

Type information: Liberia. Nengbe, April, *Harley* (FH?)

**BOLETUS**

*austrinus* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*chilensis* Singer, 1967b: 69

HOLOTYPE: Chile. Valdivia, 27 April 1967, *R. & M. Singer & Hernandez* [Singer no.] 6933 (SAM)

*frostii* ssp. *floridanus* Singer, 1945i: 799

Type information: USA. Florida: Sebring.

*fuligineotomentosus* Singer, 1973d: 101

HOLOTYPE: Colombia. Valle: Río Pance, 3 May 1968, *Singer B* 6958 (F)

*granulosiceps* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*griseus* ssp. *pinicaribaeae* Singer, 1945i: 797

Type information: USA. Florida: Coral Gables.

*guadelupae* Singer & Fiard, 1976i: 445

HOLOTYPE: Guadeloupe. Matouba, 31 July 1975, *Fiard s. n.* (F)

*heterodermus* Singer, 1989a: 124

HOLOTYPE: Costa Rica. Puntarenas: Río Baru, August 1983, *Gómez 21548* (F)

*hypocarycinus* Singer, 1945i: 798

Type information: USA. Florida: Alachua County, Gainesville.

*michoacanus* Singer, 1977g: 256

HOLOTYPE: Mexico. Michoacán: Parque Nacional near Mirador, 9 August 1969, *Singer M 8998/II* (F)

*patouillardii* Singer, 1947a: 55

HOLOTYPE: Cambodia, Reserve Forestiere de Campong Chhuong, July, *Petelot 222* (FH)

*rubellus* ssp. *bicoloroides* Singer, 1945i: 798

Type information: USA. Florida: Alachua County.

*rubellus* ssp. *caribaeus* f. *serotinus* Singer, 1947a: 53

Type information: USA. Florida: Dade County.

*rubellus* ssp. *caribaeus* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*rubellus* ssp. *consobrinus* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*rubellus* ssp. *dumetorum* f. *crassotunicatus* Singer, 1947a: 51

HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 8 October 1942, *Singer F 976* (FH)

*rubellus* ssp. *dumetorum* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*rubellus* ssp. *fraternus* f. *subdumetorum* Singer, 1947a: 49

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 8 September 1942, *Singer F 648a* (FH)

*rubicrinitus* var. *fairchildianus* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*splendidus* ssp. *moseri* Singer & Kuthan, 1976h: 151

HOLOTYPE: Czechoslovakia. Slovakia: Raková, near Cadca, 31 August 1975, *J. Kuthan 75/S 141* (F)

*subsoltarius* Singer, 1945i: 798

Type information: USA. Florida: Miami.

*subvelutipes* f. *glabripes* Singer, 1947a: 70

HOLOTYPE: USA. Florida: Alachua County, Gainesville, 30 May 1943, *Singer F* 2169 (FH)

*weberi* Singer, 1945i: 797

Type information: USA. Florida: Alachua County, Gainesville.

## BONDARZEWIA Singer, 1940: 4

Type species: *Polyporus montanus* Quél.

*perniciosa* Singer, 1953c: 884

HOLOTYPE: Argentina. Neuquén: Quetrihué, May 1952, *Singer M* 608 (LIL)

## BRAUNIELLULA Smith & Singer, 1958c: 928

Type species: *Brauniellula nancyae* Smith

*leucosarx* Smith & Singer, 1958c: 928

HOLOTYPE: USA. Idaho, Payette National Forest, 31 July 1958, *Smith* 59316 (MICH?)

## CALATHINUS

*substriatulus* Singer, 1943a: 156

Type information: USSR. Altai Mtns. (Kurai), August.

## CALLISTODERMATIUM Singer, 1981a: 506

Type species: *Callistodermatium violascens* Singer

*violascens* Singer, 1981a: 506

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B* 9926 (F)

## CALLISTOSPORIUM Singer, 1944a: 363

Type species: *Gymnopilus palmarum* Murr.

*amazonicum* Singer, 1977g: 263

HOLOTYPE: Brazil. Rio Grande do Sul: Guaporé, near Guajará mirim, 10 March 1956, *Singer* (BAFC)

*chrysophorum* Singer, 1961b: 51

HOLOTYPE: USA. Florida: Alachua County, 8 June 1943, *Singer F* 2227 (F)

*favrei* Singer, 1977g: 262

HOLOTYPE: Switzerland. Vaud Bois de Chene: Chene pr., Nyon, 18 October 1942, Favreano (Favreano)

*galerinoides* Singer, 1948c: 29

HOLOTYPE: USA. Florida: Alachua County, Sugarfoot Hammock, 5 July 1943, *Singer F* 2598 (FH)

*luteofuscum* Singer, 1953d: 115

HOLOTYPE: Brazil. Rio Grande do Sul: São Leopoldo, 31 October 1951, *Singer B* 27 (LIL)

*luteofuscum* var. *maior* Singer, 1969a: 53

HOLOTYPE: Chile. Valparaíso: Viña del Mar, 16 July 1966, *Lazo VI-3* (SGO)

*psilocybe* Murrill & Singer, 1944a: 363

Type information: USA. Florida: Juniper Springs, October, *Murrill* (FH?)

*terrigenum* Singer, 1950c: 192

HOLOTYPE: Argentina. Tucumán: between San Pablo and Parque Aconquija, 2 April 1949, *Singer* (LIL)

## CALOCYBE

*africana* Singer, 1977g: 268

HOLOTYPE: Zaire. Panzi Kivu, *Goossens-Fontana* 5334 (BR)

*alneti* Singer, 1977g: 267

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer* (F)

*atropapillata* Singer, 1977g: 269

HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 7284 (F)

*bipigmentata* Singer, 1977g: 267

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer* (F)

*caucasica* Singer, 1961b: 47

Type information: USSR. Caucasus: Krasnodar Yatyrgrarta, 29 July 1935, *Vassilieva* (LE, KAZ)

*coniceps* Singer, 1977g: 268

HOLOTYPE: Venezuela. Dto Federal: Parque Nacional El Avila, 27 July 1972, *Dumont and others VE 6205* (NY)

*cyanaea* Singer ex Redhead & Singer, 1978c: 501

HOLOTYPE: Brazil. Sta Catharina: Porto Novo, 1928, *Rick s. n.* (FH). Basionym: *Calocybe cyanaea* Singer, 1946g: 126 (nom. invalid).

*cyanella* Singer ex Redhead & Singer, 1978c: 501

HOLOTYPE: USA. Florida: Dade County, near Miami, at Matheson Hammock, *Singer F* 734 (FH). Basionym: *Calocybe cyanella* Singer, 1946g: 124 (nom. invalid).

*fibrillosa* Singer, 1950c: 192

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 8 May 1949, *Singer T 546* (LIL)

*heterospora* Singer, 1961b: 46

HOLOTYPE: USA. Florida, Dade County, Matheson Hammock, 9 November 1942, *Singer F* 1452c (FH)

## CALOCYBE

- rubra* Rick in Singer ex Redhead & Singer, 1978c: 501  
HOLOTYPE: Brazil. 1928, *Rick* 585 (FH). Basionym: *Calocybe rubra* Rick in Singer, 1948. Pap. Mich. Acad. Sci. Arts & Lett. 32: 126 (nom. invalid)

## CALYPTELLA

- bonairensis* Singer, 1973d: 27  
HOLOTYPE: Argentina. Buenos Aires: La Plata, 20 June 1962, *Singer* S 206 (BAFC)  
*epibrya* Singer, 1973d: 25  
HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 14 May 1961, *Singer* T 3743 (LIL)  
*flava* Singer, 1977g: 270  
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer* (F)  
*pteridophytorum* Singer, 1973d: 26  
HOLOTYPE: Colombia. Valle: Dagua, 27 April 1968, *Singer* B 6413 (F)

## CAMAROPHYLLUS

- adonis* Singer, 1952c: 172  
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, Lago Fagnano, 18 February 1950, *Singer* M 351 (LIL)  
*grinlingii* Singer, 1973d: 2  
HOLOTYPE: Zaire. Brazzaville: Rte. de Linzolo, no date, *Grinling* 71106 (RPC). Isotype: *F. hieronymi* Singer, 1977g: 277  
HOLOTYPE: Bolivia. Nor-Yungas: La Paz, San Geronino, 7 February 1956, *Singer* B 968 (F)  
*laccariooides* Singer, 1952c: 170  
HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer* M 300 (LIL)  
*paraiboensis* Singer, 1977g: 278  
HOLOTYPE: Brazil. Paraíba: near João Pessoa, 11 July 1960, *Singer* B 3334 (BAFC)  
*patagonicus* Singer, 1969a: 9  
HOLOTYPE: Chile. Llanquihué: Puerto Mont y San Augustín, 8 May 1967, *Singer* M 6790 (SGO)

## CAMPANELLA

- aberrans* Singer, 1975c: 855  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 12 February 1956, *Singer* B 1116 (LIL)  
*aequatorialis* Singer, 1975b: 240  
HOLOTYPE: Ecuador. Tungurahua: Río Verde, 26 April 1973, *Singer* B 7128 (F). Also published in Singer, 1975c: 869.  
*aeruginea* Singer, 1975c: 854  
HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, 22 January 1955, *Singer* T 2078 (LIL)

- alnetorum* Singer, 1975c: 866  
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer* T 5140a (F)  
*austrochilensis* Singer, 1969a: 86  
HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer* M 1948 (LIL)  
*candida* var. *stipitata* Singer, 1955a: 765  
HOLOTYPE: Argentina. Catamarca, Santa Rosa, Vallis Río Campo, 18 January 1954 (LIL)  
*castaneipes* Singer, 1975c: 856  
HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer* B 3632 (F)  
*dendrophora* Singer, 1955a: 763  
HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 18 May 1952, *Singer* M 746 (LIL)  
*diplocystis* Singer, 1975c: 868  
HOLOTYPE: Peru. Cuzco: Urubamba, Machu Picchu, 20 May 1958, *Singer* B 3025 (LIL)  
*elongatisspora* Singer, 1975c: 851  
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 11 February 1965, *Singer* T 4024 (F)  
*floridana* Singer, 1950e: 249  
HOLOTYPE: USA. Florida: Newnan's Lake, 31 July 1947, *Singer* F 3428 (FH)  
*gigantospora* Singer, 1975c: 874  
HOLOTYPE: Australia. New South Wales: between Major's Crk. & Araluen, March 1970, *McVean* s. n. (F)  
*peullensis* Singer, 1969a: 85  
HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer* M 1894 (LIL)  
*podocarpi* Singer, 1975c: 864  
HOLOTYPE: Argentina. Jujuy: 15 km NE of Posta de Lozano, 20 February 1966, *Singer* T 5307 (F)  
*tenuitunicata* Singer, 1955a: 764  
HOLOTYPE: Argentina. Catamarca: Santa Rosa, Suncho, Vallis Río Campo, 18 January 1952, *Singer* T 1750 (LIL)  
*witteana* Singer, 1975c: 876  
HOLOTYPE: Zaire. Parc National Albert, 17 June 1953, *Frédericq* 9440 (BR)

## CANTHARELLULA

- Singer, 1936e: 281  
Type species: *Cantharellus umbonatus* Gmelin  
*infundibuliformis* Singer, 1969a: 64  
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 3 May 1964, *Singer* M 3861 (BAFC)

## CHAETOCALATHUS

- Singer, 1942a: 518.  
[Published in 1943].

- Type species: *Agaricus craterellus* Dur. & Lév.

*aurantiacus* Singer, 1976a: 57

HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer B* 2201 (F)

*carnelioruber* Singer, 1942a: 526

Type information: Guiana. Bartica, 9 December 1923, *Linder* (FH). [Published in 1943].

*eurysporus* Singer, 1978f: 195

HOLOTYPE: Panama. Panamá: near "Altos de Pacora", 30 June 1975, *Dumont, Carpenter & Mori* [*Dumont* no.] P 1540 (NY). Also see 1989a: 67.

*pachytrichus* Singer, 1942a: 522

HOLOTYPE: Phillipine Islands. Laguna: Mt. Makiling, July 1916, *Baker* 4356 (FH). [Published in 1943].

## CHAETOTYPHULA

*amylochaete* Singer, 1978h: 1

HOLOTYPE: Ecuador. Zamora, 21 km from Zamora on the Zamora-Zanxaza Rd., 31 July 1975, *Dumont EC* 1784 (NY)

*columbiana* Singer, 1978h: 2

HOLOTYPE: Colombia. Antioquia: Medellín, 20 July 1974, *Dumont and others CO* 1744 (NY or F?)

*montana* Singer, 1978h: 3

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T* 3920 (BAFC)

## CHAMAEEMYCES

*paraensis* Singer, 1989a: 100

HOLOTYPE: Brazil. Pará: Belem, 7 June 1966, *Singer B* 4243 (BAFC)

## CHAMONIXIA

*brevicolumna* Smith & Singer, 1959f: 219

HOLOTYPE: USA. Idaho, Payette National Forest, 26 August 1958, *Smith* 60519 (MICH)

## CHEIMONOPHYLLUM Singer, 1955f: 417

Type species: *Agaricus candidissimus* Berk. & Curt.

## CHLOROPHYLLUM

*molybdites* var. *luteolosperma* Singer, 1946g: 139

HOLOTYPE: USA. Florida: Alachua County, Gainesville, 16 May 1943, *Singer F* 1953a (FH). [Published in 1948].

## CHROOGOMPHUS

*rutilus* ssp. *michoacanensis* Singer & Kuthan, 1976e: 85

HOLOTYPE: Mexico. Michoacán: San José de Purúa, 8 August 1969, *Singer M* 8986 (F)

## CLAVARIA

*albidobispa* Singer, 1969a: 390

HOLOTYPE: Chile. Concepción: Boca del Bio-Bio, 11 November 1967, *Singer M* 7814 (SGO)

*alliodora* Bond & Singer, 1936j: 724

No type information given.

*floridana* Singer, 1945d: 425

HOLOTYPE: USA. Florida: Dade County, 17 September 1942, *Singer F* 733 (FH)

*leucoporphyrinia* Singer, 1947c: 205

Type information: Spain. Catalonia: Riu de Sant Maurici, July 1934, *Singer*.

*wettsteinii* Singer, 1931: 515

Type information: USSR. Caucasus.

*xanthoporphyrinia* Singer, 1947c: 205

Type information: Spain. Catalonia: Riu de Sant Maurici, July 1934, *Singer*.

## CLAVULINA

*angustisperma* Singer, 1969a: 387

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park near Santa María, 19 April 1965, *Singer M* 5061 (BAFC)

## CLITOCYBE

*aberrantissima* Singer, 1953d: 118

HOLOTYPE: Brazil. Río Grande do Sul: Parecí, 2 November 1951, *Singer B* 52 (LIL)

*acicola* Singer ex Singer, 1990b: 6

HOLOTYPE: USSR. Kurai: Altai Mtns., 15 August 1938, *Singer A* 103 (LE)

*aconquijensis* Singer in Singer & Digilio, 1951e: 38

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 30 March 1951, *Singer T* 1461 (LIL). [Published in 1952].

*aprilia* Singer in Singer & Digilio, 1951e: 27

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 14 April 1951, *Singer T* 1478 (LIL). [Published in 1952].

*asema* Singer, 1973d: 11

HOLOTYPE: Argentina. Tucumán: near Aguadita, 25 February 1951, *Singer T* 1328 (LIL)

*augustinensis* Singer, 1955a: 766

HOLOTYPE: Trinidad. St. Augustine, 9 February 1950, *Wilson* [Dennis no.] 481 (K)

*bresadoliano-affinis* Singer, 1943a: 35

Type information: USSR. Altai Mtns.

*brevibasidiata* Singer, 1943a: 45

Type information: USSR. Altai Krai: Artubash, aimak Turoczak. Published as *Clitocybe (Omphalina) brevibasidiata*.

- catalaunica* Singer, 1943a: 30  
 Type information: Spain. Catalonia: Vall d'Aran, Salardú. September 1934. Also published in Singer, 1947c: 242.
- caucasica* Singer, 1978f: 230  
 HOLOTYPE: USSR. Swanetia: Central Caucasus, 20 August 1928, *Singer* (W)
- coluiiana* Singer, 1973d: 11  
 HOLOTYPE: Colombia. Cauca: Gabriel López, San Pedro, 5 May 1967, *Singer B* 6967 (F)
- cystidiosa* Singer, 1967c: 356  
 HOLOTYPE: Zaire. Brazzaville: 'Route de Lefoula', November 1965, *Grinling* 51,110 (BAFC)
- duckeana* Singer, 1989a: 8  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 12 July 1978, *Singer* (INPA). No collection number given.
- espinosae* Singer, 1969a: 33  
 HOLOTYPE: Chile. Santiago: Quebrada Diego, 6 July 1967, *Singer M* 7109 (SGO)
- exilis* Singer, 1989a: 9  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 April 1977, *Singer B* 9618 (INPA)
- fimbriata* Singer, 1978f: 231  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Oriente, 16 March 1956, *Singer B* 2008 (LIL, BAFC)
- hyacinthina* Singer, 1943a: 46  
 Type information: USSR. Oirotia: Aimak Czoia. Published as *Clitocybe (Omphalina) hyacinthina*.
- kabulensis* Singer, 1955a: 766  
 HOLOTYPE: Afghanistan. Tangi gharu: near Kabul, 12 March 1950, *Gilli* LXXXVI (W)
- laricicola* Singer, 1943a: 28  
 Type information: USSR. Altai Mtns.
- lignicola* Singer, 1973d: 12  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 12 March 1956, *Singer B* 1900 (LIL)
- melliolens* Singer in Singer & Digilio, 1951e: 34  
 HOLOTYPE: Argentina. Buenos Aires: Garibaldi, 30 May 1949, *Singer S* 38 (LIL). [Published in 1952].
- monticola* Singer, 1943a: 30  
 Type information: Spain. Catalonia: Pyrenees Mtns., Aiguamoix, July, 1943. Also published in Singer, 1947c: 221.
- montivaga* Singer, 1978f: 232  
 HOLOTYPE: Ecuador. Tungurahua: Baños, 1 May 1973, *Singer B* 7234 (F)
- nothofageti* Singer, 1954b: 103  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, 15 May 1952, *Singer M* 640 (LIL)
- obscuratipes* Singer, 1969a: 32  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 19 March 1963, *Singer M* 3088 (BAFC)
- oligophylla* Singer in Singer & Digilio, 1951e: 40  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T* 1381 (LIL). [Published in 1952].
- pleurotus* Singer, 1952c: 182  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M* 175 (LIL)
- polylepidicola* Singer, 1989a: 9  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1965, *Singer T* 4025 (BAFC)
- praeandina* Singer, 1955c: 147  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 1955, *Singer T* 2215 (LIL)
- scandens* Singer in Singer & Digilio, 1951e: 36  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 24 April 1949, *Singer, Digilio & Grassi* [Singer no.] T 490 (LIL). [Published in 1952].
- spodoxutha* Singer, 1953b: 3  
 HOLOTYPE: Argentina. Tucumán: near Tapia, 6 January 1952, *Singer T* 1708 (LIL)
- steppicola* Singer, 1943a: 33  
 Type information: USSR. Oirotia: aimak Kosch-agatsch, August.
- subhygrophana* Singer, 1943a: 27  
 Type information: USSR. Altai Mtns.
- subhygrophoides* Singer, 1952c: 181  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13 February 1950, *Singer M* 245 (LIL)
- subleptoloma* Singer, 1952c: 179  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M* 169 (LIL)
- subsquamulosa* Singer, 1943a: 35  
 Type information: USSR. Altai Mtns., July-August.
- subulifera* Singer, 1955a: 767  
 HOLOTYPE: Argentina. Tucumán: De "Tapia" vs. mer., 17 February 1951, *Singer T* 1220 (LIL)
- tournefortiae* Singer, 1989b: 794  
 HOLOTYPE: Henderson Islands. (South Pacific), Northwest Beach, *Schuster* 00007 (F)
- tungurahuae* Singer, 1978f: 233  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B* 7215 (F)
- vasilievae* Singer, 1941b: 84  
 Type information: USSR. Oirotia: Altai Mtns., August 1937, *Singer & Vasilieva* (LE). Also published in Singer, 1943a: 26.

## CLITOCYBE

*vulgaris* Singer, 1961b: 48

HOLOTYPE: USA. Massachusetts, Cambridge,  
*Singer s.n.* (FH)

## CLITOCYBULA

*azurea* Singer, 1973d: 18

HOLOTYPE: Brazil. São Paulo: Serra de Cantareira, 17 December 1964, *Singer B* 4115  
(BAFC)

*mellea* Singer, 1954b: 111

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 18 May 1952,  
*Singer M* 751 (LIL)

## CLITOPILUS

*hobsonii* var. *chilensis* Singer, 1969a: 333

HOLOTYPE: Chile. Santiago: Cerro Robles, 19 June 1967, *Singer M* 6978 (SGO)

*incrustatus* Singer, 1948c: 38

HOLOTYPE: USA. Florida: Alachua County, Gainesville, 19 May 1943, *Singer F* 1981 (FH)

*incrustatus* var. *macrosporus* Singer, 1969a: 334

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M* 6720 (SGO)

*rhodotrama* Singer in Singer & Digilio, 1951e: 421

HOLOTYPE: Argentina. Jujuy: Termas de Reyes, 5 January 1947, *Garolera & Digilio* 7681 (LIL, FH). [Published in 1952].

*venososulcatus* Singer, 1946a: 557

HOLOTYPE: USA. Florida: Dade County, Mattheson Hammock, 29 October 1942, *Singer F* 1344 (FH)

## COLLYBIA

*acicola* Singer in Singer & Digilio, 1951e: 60

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Cerro Alto del Taficillo, 6 January 1950, *Singer T* 830 (LIL). [Published in 1952].

*albelloavellanea* Singer, 1955a: 767

HOLOTYPE: Brazil. Paraná, Paranagua, 27 September 1952, *Singer B* 409 (F)

*alkalivirens* Singer, 1948c: 27

HOLOTYPE: USA. Virginia: Giles County, Mt. Lake Biological Station, 23 June 1947, *Singer & Wilson* 337 (FH)

*amazonensis* Singer, 1989a: 21

HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracarái, km 45, 10 August 1978, *Singer B* 11376 (INPA)

*batistae* Singer, 1965e: 23

HOLOTYPE: Brazil. Pernambuco: CaMaragibe, 6 July 1960, *Singer B* 3102 (BAFC)

*embrapaensis* Singer, 1989a: 22

HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 6 October 1978, *Singer B* 11403 (INPA)  
51

HOLOTYPE: Argentina. Tucumán: Río de los Sosa, 27 January 1951, *Singer T* 1128 (LIL). [Published in 1952].

*fuegiana* Singer, 1952c: 186

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M* 157 (LIL)

*heimii* Singer, 1937: 234

Type information: USSR. near Chosta, September 1936, Vasilieva (LE?)

*inconspicua* Singer, 1989a: 22

HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 31 October 1977, *Singer B* 10233 (INPA)

*ixotrama* Singer, 1973d: 20

HOLOTYPE: Bolivia. Pando: Manuripi, 25 March 1956, *Singer B* 2202 (BAFC)

*lindquistii* Singer in Singer & Digilio, 1951e: 57

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 9 June 1945, *Singer S* 116 (LIL). [Published in 1952].

*lodgeae* Singer, 1989a: 23

HOLOTYPE: Costa Rica. Heredia, Sta. OTS near "La Selva", 23 December 1979, *Lodge 294* (F)

*neotropica* Singer, 1961b: 54

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 15 February 1956, *Singer B* 1173 (LIL). Singer stated that this was a "nom. nov.", but it probably was a new species.

*nobilior* Singer, 1989a: 23

HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 31 May 1979, *Singer B* 11077 (INPA)

*paranaguae* Singer, 1955a: 768

HOLOTYPE: Brazil. Paraná, Paranagua, 27 September 1952, *Singer B* 406 (F)

*peladae* Singer, 1969a: 70

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 7 May 1967, *Singer M* 6777 (SGO)

*phoebophila* Singer in Singer & Digilio, 1951e: 53

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T* 964 (LIL). [Published in 1952].

*phylladophila* Singer in Singer & Digilio, 1951e: 55

HOLOTYPE: Argentina. Tucumán: San Javier, 24 April 1951, *Singer T* 1526 (LIL). [Published in 1952].

*phylladophloides* Singer, 1989a: 24

HOLOTYPE: Brazil. Amazonas: Lago Janauari, 18 March 1983, *Singer B* 12444 (F)

- rionegrensis* Singer, 1989a: 24  
 HOLOTYPE: Brazil. Amazonas, Ponta Negra near Manaus, 15 January 1978, *Singer B 10528* (INPA)
- sleumeri* Singer, 1953b: 4  
 HOLOTYPE: Argentina. Catamarca: Cerro Negro, between Minas Capillitas and Cerro Negro, 3 March 1952, *Sleumer & Sparre* [*Singer no. J T 1912*] (LIL)
- solitaria* Singer, 1989a: 25  
 HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 29 June 1977, *Singer B 10028* (INPA?)
- subhybrida* Singer, 1965i: 151  
 HOLOTYPE: Argentina. Neuquén: Quetrihué, 14 May 1952, *Singer M 573* (LIL, BAFC)
- syringea* Singer, 1955a: 768  
 HOLOTYPE: Brazil. Paraná, Paranagua, 27 September 1952, *Singer B 404* (F)
- tetrachroa* Singer in Singer & Digilio, 1951e: 52  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 5 March 1949, *Singer T 199* (LIL). [Published in 1952].
- tucumanensis* Singer in Singer & Digilio, 1951e: 47  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 963* (LIL). [Published in 1952].
- urubambae* Singer, 1961b: 55  
 HOLOTYPE: Peru. Machu Picchu: Rio Urubamba, 20 May 1958, *Singer B 3024* (LIL).
- velutipes* f. *aestivalis* Singer, 1922a: 40  
 No type information.

## CONOCYBE

- affinis* Singer, 1969a: 207  
 HOLOTYPE: Argentina. Tucumán, 10 November 1950, *Singer T 1020* (LIL)
- alba* Singer in Singer & Digilio, 1951e: 295  
 HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T 1484* (LIL). [Published in 1952].
- albocinerea* Singer, 1941e: 99  
 HOLOTYPE: USSR. Oirotia: Kurai, 14/15 August 1937, *Singer & Vasilieva A 116* (LE). Also published in 1950a: 130.
- amazonica* Singer, 1989a: 103  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B 9862* (INPA)
- diemii* Singer, 1969a: 212  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 19 March 1963, *Singer M 3075* (BAFC)
- excedens* var. *pseudomesospora* Singer & Hausknecht, 1992b: 95  
 HOLOTYPE: Austria. Vienna: Lobau, near Opidum Mühleiten, 20 June 1986, *Hausknecht S 1424* (WU 5384). Isotype: F

- fuscimarginata* var. *bispora* Singer, 1977c: 126  
 HOLOTYPE: Czechoslovakia. Prague, Podbabá, 13 August 1974, *Pouzar & Singer* [*Singer no. J C 5557*] (F)
- halophila* Singer, 1959b: 397  
 HOLOTYPE: Afghanistan. West of Butschak: along road from Kabul to Nimla, 22 April 1951, *Gilli CXXXIII/10* (LIL)
- hornana* Singer & Hausknecht, 1989c: 87  
 HOLOTYPE: Austria. Lower Austria: Dobendorf near Horn, 8 June 1987, *Hausknecht S 1610* (WU 6201)
- izonetae* Singer, 1989a: 103  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10855* (INPA)
- javanica* Singer, 1989a: 103  
 HOLOTYPE: Indonesia. Java, von *Höhnel* 3860 (FH)
- kuhneriana* Singer, 1969a: 212  
 HOLOTYPE: Argentina. Tucumán: near Arroyo Mista, 27 October 1949, *Singer T 722* (LIL)
- lentispora* Singer, 1950a: 134  
 HOLOTYPE: Argentina. Tucumán: San Pablo, 27 March 1949, *Singer T 316* (LIL)
- leporina* var. *tetraspora* Singer & Hausknecht, 1988d: 112  
 HOLOTYPE: Austria. Vienna: Lobau, near Kreuzgrundtraverse, 29 September 1984, *Hausknecht & Mrazek S 1441* (WU). Isotype: F
- lobauensis* Singer & Hausknecht, 1988d: 107  
 HOLOTYPE: Austria. Vienna: Lobau, near Kreuzgrundtraverse, 15 October 1982, *Hausknecht S 910* (WU). Isotype: F
- magnispora* var. *levis* Singer in Singer & Digilio, 1951e: 306  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 20 October 1949, *Singer T 715* (LIL). [Published in 1952].
- magnispora* var. *striatella* Singer in Singer & Digilio, 1951e: 305  
 HOLOTYPE: Argentina. Tucumán, *Singer S 43* (LIL). [Published in 1952].
- mazatecorum* Singer, 1957a: 362  
 Type information: Mexico. Oaxaca: Huautla de Jimnez, 10-11 July 1957 (MICH). Two specimens were cited: M 1503 and M 1523, but no type was designated.
- megalospora* ssp. *nivalis* Singer, 1953b: 18  
 HOLOTYPE: Argentina. Catamarca, between Minas Capillitas and Cerro Negro, 3 March 1952, *Sleumer & Sparre* [*Singer no. J T 1933*] (LIL)
- mesospora* var. *subalpina* Singer, 1989a: 104  
 HOLOTYPE: Switzerland. Vaud: above Pont de Nant, 6 July 1984, *Singer C 9682* (F)
- microsperma* Singer, 1992b: 103  
 HOLOTYPE: Brazil. Bahia: Itabuna, 6 June 1978, *Singer B 11058* (INPA)

- minima* Singer & Hausknecht, 1992b: 93  
 HOLOTYPE: Austria. Pulkau: Feldberg near Grobreipersdorf, 7 September 1988, *Hausknecht S 1794* (WU 7186). Isotype: F
- missionum* Singer in Singer & Digilio, 1951e: 308  
 HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio M 104* (LIL). [Published in 1952].
- mixta* Singer in Singer & Digilio, 1951e: 296  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 10 January 1950, *Singer T 843* (LIL). [Published in 1952].
- myosura* Singer, 1989a: 104  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 31 March 1956, *Singer B 2403* (LIL)
- neoantipus* var. *carinthiaca* Singer & Hausknecht, 1988d: 117  
 HOLOTYPE: Austria. Kärnten: St. Veit a. d. Glan, near Tanzenberg, 26 September 1986, *Forstinger and others* (WU). Isotype: F
- neoantipus* var. *tucumana* Singer & Hausknecht, 1988d: 115  
 HOLOTYPE: Argentina. Tucumán, 20 October 1949, *Singer T 714* (LIL)
- proxima* Singer in Singer & Digilio, 1951e: 293  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1339* (LIL). [Published in 1952].
- radicata* Singer, 1953b: 18  
 HOLOTYPE: Argentina. Tucumán: Anta Muerta, 11 January 1952, *Singer T 1718* (LIL)
- reticulatorugosa* Singer in Singer & Digilio, 1951e: 299  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 13 January 1950, *Singer T 869* (LIL). [Published in 1952].
- roberti* Singer & Hausknecht, 1992b: 97  
 HOLOTYPE: Austria. Maissau, 18 September 1984, *Hausknecht S 1228* (WU 9220)
- stictospora* Singer, 1989a: 104  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 25 May 1977, *Singer B 9715* (INPA)
- striatipes* var. *sejuncta* Singer & Hausknecht, 1988d: 119  
 HOLOTYPE: Argentina. Catamarca: Suncho, near Santa Rosa, 20 January 1952, *Singer T 1792* (LIL)
- subvelata* Singer, 1950a: 139  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, Sierra de San Javier, 12 March 1949, *Singer T 202* (LIL)
- subxerophytica* Singer & Hausknecht, 1992b: 80  
 HOLOTYPE: Austria. Vienna: Lobau, Leinerau near Mittelwasser, 27 May 1984, *Hausknecht S 1132* (WU 5223). Isotype: F
- tenera* f. *excentrica* Singer, 1950a: 140  
 HOLOTYPE: Argentina. Buenos Aires: Garibaldi, 30 May 1949, *Singer S 44* (LIL)
- tenerrima* Singer in Singer & Digilio, 1951e: 292  
 HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 24 February 1951, *Singer T 1320* (LIL). [Published in 1952].
- tenerrima* var. *monticola* Singer, 1969a: 206  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 10 January 1950, *Singer T 842* (LIL)
- tetraspora* Singer, 1969a: 209  
 HOLOTYPE: Argentina. Buenos Aires: San Clemente de Tuy, 21 October 1965, *Singer S 552* (BAFC)
- tuxlaensis* Singer, 1989a: 105  
 HOLOTYPE: Mexico. Veracruz, Estación Biológica de las Tuxtlas, 23 June 1969, *Singer M 8185* (F)
- xerophytica* Singer in Singer & Digilio, 1951e: 294  
 HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T 1494* (LIL). [Published in 1952].
- xylophila* Singer, 1969a: 208  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6531* (SGO)

## COPELANDIA

- chlorocystis* Singer & Weeks, 1979a: 469  
 HOLOTYPE: USA. Florida: Dade County, Redlands Fruit and Spice Park, Homestead, July 1976, *Hearn* (F)

- COPRINITES** Poinar Jr. & Singer, 1990f: 1099  
 (Fossil genus)

- Type species: *Coprinites dominicana* Poinar, Jr. & Singer  
*dominicana* Poinar, Jr. & Singer, 1990f: 1099  
 HOLOTYPE: Dominican Republic. Santiago: Cordillera septentrional, between Santiago and Puerto Plata, The La Toca mine, AF-9-11 (Fossil species)

## COPRINUS

- carbonicola* Singer, 1969a: 176  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 7 May 1964, *Singer M 3975* (BAFC)
- herbivorus* Singer, 1973d: 70  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3929* (F)
- hyalaeae* Singer, 1978h: 49  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 17 May 1973, *Singer B 7524* (F)

- hypszygus* Singer, 1969a: 177  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5576-5776a* (BAFC)
- phylladophilus* Singer, 1969a: 180  
 HOLOTYPE: Argentina. Buenos Aires: Sierra de Tandil, Finca Pascuala, 16 November 1962, *Singer S 365* (BAFC)
- saccosporus* Singer, 1969a: 179  
 HOLOTYPE: Chile. Osorno: Lago Puyehue, 14 September 1967, *Singer M 7507* (SGO)
- sclerobasidium* Singer, 1969a: 179  
 HOLOTYPE: Argentina. Neuquén: Lago Lácar, Pucará, 6 November 1966, *Singer M 6014* (BAFC)
- subrenispermus* Singer, 1969a: 182  
 HOLOTYPE: Chile. Santiago: Lagunas de Aculeo, 24 September 1967, *Singer M 7789* (SGO)
- uspallatae* Singer, 1969a: 178  
 HOLOTYPE: Argentina. Mendoza: Upsallata, 14 January 1966, *Singer* (BAFC). No collection number given.

## CORIOLUS

- fernandezianus* Singer, 1959c: 374, 376  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Quebrada Pangal, 16 February 1955, *Sparre F 7* (S). Isotype: LIL?

## CORTINARIUS

- aberrans* Singer, 1949b: 96  
 Type information: Finland. Karelia: Kivacz, August 1936 (LE?)
- amazonicus* Singer & Araujo, 1983f: 193  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 5 May 1980, *Singer & Araujo [Singer no.] B 12139* (INPA)
- arcticus* Singer, 1938e: 15  
 Type information: USSR. (LE?)
- boyacensis* Singer, 1963b: 242  
 Type information: Colombia. Boyacá: Tunja, Arca buco, Finca del Señor Luis Antonio Porras, no date, (BAFC). no collector named.

- campinaranae* Singer & Araujo, 1983f: 196  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 22 May 1978, *Singer & Araujo [Singer no.] B 11021* (INPA)

- flavornatus* Singer, 1931: 539  
 Type information: USSR. Caucasus: Khä.
- galeriniformis* Singer & Araujo, 1983f: 194  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 22 May 1978, *Singer & Araujo [Singer no.] B 11026* (INPA)
- gigasporus* Singer, 1938e: 15  
 Type information: USSR. Leningrad, December 1935, *Singer* (LE?)

- kerrii* Singer & Araujo, 1983f: 191  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 130, 24 March 1978, *Kerr & Singer [Singer no.] B 10861* (INPA)
- kivaczensis* Singer, 1949b: 95  
 Type information: Finland. Karelia: Kivacz, 4 September 1935 (LE?)
- megasporus* Singer, 1949b: 95  
 Type information: Finland. Karelia: Kivacz, 16 September 1935 (LE?)
- sphagneti* Singer, 1949b: 95  
 Type information: Finland. Karelia: Kivacz, 30 September 1935 (LE?)
- umbilicatus* Singer & Araujo, 1983f: 195  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1978, *Singer & Araujo [Singer no.] B 11313* (INPA)
- velutinellus* Singer, 1949b: 96  
 Type information: Finland. Karelia: Kivacz, 31 August 1935 (LE?)

## CRATERELLUS

- boyacensis* Singer, 1963b: 239  
 HOLOTYPE: Colombia. Boyacá: Tunja, Arca buco, Finca del Señor Luis Antonio Porras, 29 July 1960, *Singer B 3598* (BAFC)

## CREPIDOTUS

- acanthosyrinus* Singer in Singer & Digilio, 1951e: 411  
 HOLOTYPE: Argentina. Tucumán: Tapia, 3 July 1949, *Singer T 591* (LIL). [Published in 1952].
- albidus* var. *bisporus* Singer, 1973a: 436, 478  
 HOLOTYPE: Brazil. Río de Janeiro: Angra dos Reis, 31 September 1952, *Singer B 440* (FH)
- albidus* var. *boliviæ* Singer, 1973a: 434, 478  
 HOLOTYPE: Argentina. Jujuy: Valle del Río Lozano, 18 February 1966, *Singer T 5274* (F)
- ampullicystis* Singer, 1973a: 460, 478  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8032* (F)

- applanatus* var. *subglobiger* Singer, 1973a: 383, 478  
 HOLOTYPE: Mexico. Oaxaca: San Augustín, 10 July 1969, *Singer M 8400* (F)
- aristoteliae* Singer, 1959c: 398, 399  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Lower Quebrada Pangal, 24 March 1955, *Sparre F 68* (S). Isotype: LIL?
- australis* Singer, 1973a: 418, 478  
 HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguaréte, 16 April 1957, *Singer M 1030* (BAFC)

- austroandinus* Singer, 1969a: 327  
 HOLOTYPE: Chile. Llanquihue: Puella, 20 March 1959, *Singer M 1868* (BAFC)
- bululifer* Singer, 1965i: 182  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3203* (BAFC)
- calolepis* var. *heterocystis* Singer, 1973a: 469, 478  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8029* (F)
- calolepis* ssp. *polycystis* Singer, 1973a: 475, 478  
 HOLOTYPE: Costa Rica. San José: Cerro de las Vueltas, 1 December 1925-1 January 1926, Standley & Valerio s. n. (BPI)
- calolepis* ssp. *tigrensis* var. *januarius* Singer, 1973a: 474, 478  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 16 January 1955, *Singer T 2020* (LIL)
- catamarcae* Singer, 1973a: 422, 478  
 HOLOTYPE: Argentina. Catamarca: Río Chacras, 11 February 1952, *Singer T 1821* (BAFC)
- citricolor* Singer in Singer & Digilio, 1951e: 411  
 HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 18 December 1951, *Singer T 1656* (LIL). [Published in 1952].
- cristulatus* Singer, 1957a: 369  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 10 July 1957, *Singer M 1516* (MICH). Type information is from an annotation slip attached to the original publication.
- decipiens* Singer, 1973a: 365, 478  
 HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 18 July 1969, *Singer M 8467* (F)
- defibulatus* Singer in Singer & Digilio, 1951e: 410  
 HOLOTYPE: Argentina. Buenos Aires: Santa Catalina, 7 June 1949, *Singer S 90* (LIL). [Published in 1952].
- epigloeus* Singer, 1973a: 462, 479  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8026* (F)
- eucalypticola* Singer, 1978h: 73  
 HOLOTYPE: Ecuador. Pichincha: above Quito, 5 May 1973, *Singer B 7249* (F)
- guzmanii* Singer, 1973a: 415, 479  
 HOLOTYPE: Mexico. Veracruz: Coyame, 23 June 1969, *Singer M 8174* (F)
- harperi* Singer, 1959n: 586  
 HOLOTYPE: USA. Virginia: Bedford, May 1919, *Harper 1177* (F)
- harperi* var. *minor* Singer, 1973a: 363, 479  
 HOLOTYPE: Mexico. Dto. Federal: Cerro Oco-piazcó, 27 June 1969, *Singer M 8216* (F)
- icterinus* Singer, 1973a: 395, 479  
 HOLOTYPE: Argentina. Tucumán: San Pedro de Colalao, 23 January 1955, *Singer T 2058* (LIL)
- igapoensis* Singer, 1989a: 121  
 HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 12 March 1980, *Singer B 12019* (INPA)
- krieglsteineri* Singer, 1988b: 69  
 HOLOTYPE: USA. Florida: Coral Gables, 28 September 1970, *Gill F*
- latifolius* var. *appendiculatus* Singer, 1973a: 360, 479  
 HOLOTYPE: Argentina. Tucumán: Horco Molle, 30 April 1960, *Singer T 3623* (BAFC)
- latifolius* var. *veraerucris* Singer, 1973a: 360, 479  
 HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 30 July 1969, *Singer M 8761* (F)
- leviporus* Singer, 1973a: 442, 479  
 HOLOTYPE: Mexico. Veracruz: Tlilapa, 24 June 1969, *Singer M 8195* (F)
- luridus* var. *luridus* Singer, 1973a: 419, 479  
 HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 27 June 1969, *Singer M 8247* (F)
- luridus* var. *minutus* Singer, 1973a: 421, 479  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M 8032a* (F)
- luridus* var. *oaxacae* Singer, 1973a: 420, 479  
 HOLOTYPE: Mexico. Oaxaca: Rancho del Cura below Huautla, 7 July 1969, *Singer M 8317* (F)
- martini* Singer, 1955a: 775  
 HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 7 July 1952, *Martin & Welden 7494* (F)
- mexicanus* Singer, 1973a: 413, 479  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M 8059* (F)
- molliformis* Singer, 1973a: 441, 480  
 HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 1 July 1969, *Singer M 8262* (F)
- nephrodes* var. *meristocystis* Singer, 1954b: 146, 147  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 20 May 1952, *Singer M 792* (LIL)
- nephrodes* var. *minimus* Singer, 1954b: 147  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Isla Victoria, 17 May 1952, *Singer M 731* (LIL)
- palmarum* Singer in Singer & Digilio, 1951e: 406  
 HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 27 November 1949, *Singer & Digilio [Singer no.] M 135* (LIL). [Published in 1952].

*parlatorei* Singer in Singer & Digilio, 1951e: 412

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 6 January 1950, *Singer T* 825 (LIL). [Published in 1952].

*pilosiceps* Singer, 1989a: 121

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 January 1978, *Singer B* 10556 (INPA)

*podocarpi* Singer in Singer & Digilio, 1951e: 413

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 6 January 1950, *Singer T* 623 (LIL). [Published in 1952].

*polylepidis* Singer, 1961b: 79

HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 24 July 1958, *Dennis* 1726 (K)

*quitensis* var. *basicrinitus* Singer, 1973a: 363, 480

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Valle de San Javier, 15 August 1946, *Digilio & Grassi* 791 (LIL)

*roseolus* Singer, 1973a: 350, 480

HOLOTYPE: Argentina.: Tucumán, Tucumán, Jardín del Instituto M. Lillo, 20 February 1955, *Singer T* 2186 (LIL)

*roseus* Singer, 1947g: 87

Type information: USA. Florida: Dade Co., Miami, Matheson Hammock, 30 October 1942, *Singer* (FH). [Published in 1948].

*rubriceps* Singer, 1973a: 397, 480

HOLOTYPE: Brazil. São Paulo: Sierra de Canareira, Reserva Forestal, 17 December 1964, *Singer B* 4098 (F)

*schusteri* Singer, 1989b: 796

HOLOTYPE: Henderson Islands (South Pacific), 13 May 1987, *Schuster* 00008 (F)

*serotinus* Singer, 1961b: 79

HOLOTYPE: Argentina. Tucumán: Arroyo Mista, 15 June 1955, *Singer T* 2782 (LIL)

*sphaerosporus* var. *austrocedri* Singer, 1969a: 325

HOLOTYPE: Argentina. Neuquén: Quetrihué, 16 May 1952, *Singer M* 672 (LIL)

*stercorarius* Singer in Singer & Digilio, 1951e: 409

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 21 February 1950, *Singer M* 400 (LIL). [Published in 1952].

*sublevisporus* Singer in Singer & Digilio, 1951e: 410

HOLOTYPE: Argentina. Tucumán, 18 December 1948, *Singer & Digilio* [*Singer no.*] *T* 25 (LIL). [Published in 1952].

*tigrensis* var. *valdiviensis* Singer, 1965i: 183

HOLOTYPE: Chile. Valdivia: Río Hueycolla, 30 March 1963, *Singer M* 3243 (BAFC)

*truncatus* var. *microcarpus* Singer, 1973a: 378, 480

HOLOTYPE: Argentina. Tucumán: Río Las Pava, 3 km W of Santa Rosa, 17 December 1950, *Singer T* 1056 (LIL)

*tuxtlae* Singer, 1973a: 439, 480

HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M* 8138 (F)

*variisporus* Singer in Singer & Digilio, 1951e: 413

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 31 October 1949, *Singer T* 741 (LIL). [Published in 1952].

*velutinoaffinis* Singer, 1961b: 78

HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 31 July 1958, *Dennis* 1801 (K)

*xanthocephalus* Singer, 1973a: 396, 480

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Quebradita del Mastil, 17 February 1965, *Singer T* 4083 (F)

*xanthophaeus* Singer, 1973a: 455, 480

HOLOTYPE: Venezuela. Dto. Federal: Caracas Botanic Garden, 1 July 1958, *Dennis* 1128 (K)

*yungicola* Singer, 1973a: 443, 480

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Capillaria, 22 February 1956, *Singer B* 1335 (BAFC). B 1422 cited as type in Latin diagnosis.

## CRINIPELLIS

*albipes* Singer, 1976a: 36

HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M* 8083 (F)

*alcalivirens* Singer, 1976a: 37

HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 24 July 1960, *Singer B* 3510 (F)

*austrorubida* Singer, 1976a: 43

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 18 January 1950, *Singer T* 917 (LIL)

*carecomoeis* var. *litseae* Singer, 1942a: 489

HOLOTYPE: Philippines. Laguna: Mt. Makiling, 5 September 1917, *Catalan* 4464 (FH). [Published in 1943].

*carecomoeis* var. *subelata* Singer, 1942a: 488

HOLOTYPE: New Caledonia. Col d'Amien, 1907, *Le Rat* 97 (FH). [Published in 1943].

*catamarcensis* Singer, 1953b: 12

HOLOTYPE: Argentina. Catamarca: Valle de Suncho, above Alto de la Junta, 17 January 1952, *Singer T* 1745 (LIL)

*commixta* Singer in Sing.& Digilio, 1953b: 11

HOLOTYPE: Argentina. Tucumán: Tapia, 6 January 1952, *Singer T* 1710 (LIL)

- commixta* var. *junia* Singer, 1976a: 33  
 HOLOTYPE: Argentina. Tucumán: Arroyo Mis-  
 ta, 15 June 1955, *Singer T* 2791 (LIL)
- coroicae* Singer, 1976a: 27  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-  
 roico, 26 January 1956, *Singer B* 558 (F)
- dicotyledonum* Singer in Singer & Digilio, 1951e:  
 221  
 HOLOTYPE: Argentina. Tucumán: Río de los  
 Sosas, 27 January 1951, *Singer T* 1140 (LIL).  
 [Published in 1952].
- dipterocarpi* Singer, 1942a: 496  
 Type information: Vietnam. Tonkin, *Eberhardt*  
 (FH). [Published in 1943].
- eggersii* var. *epiphyllus* Singer, 1967a: 48  
 HOLOTYPE: Bolivia. La Paz: Nor Yungas,  
 Charobamba, 30 January 1956, *Singer B* 747  
 (LIL)
- eggersii* var. *flavipes* Singer, 1976a: 47  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, 28  
 March 1956, *Singer B* 2310 (LIL)
- eggersii* var. *lilaceiceps* Singer, 1976a: 49  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 9  
 May 1973, *Singer B* 7316 (F)
- foliocola* Singer, 1955a: 771  
 HOLOTYPE: USA. Florida: Highlands County,  
 Highlands Hammock State Park, 2 September  
 1942, *Singer F* 444a (F)
- galeropsidoides* Singer, 1989a: 66  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-  
 Caracaraí, km 45, 20 December 1977, *Aguiar*  
 [*Singer no.*] *B* 10380 (INPA)
- gracilis* Singer, 1976a: 14  
 HOLOTYPE: Brazil. Pernambuco: São Louren-  
 co, Mata do São João, 16 July 1960, *Singer*  
*B* 3412 (F)
- herrerae* Singer, 1976a: 23  
 HOLOTYPE: Mexico. Veracruz: 7 km S of  
 Montepío, Estación Biológica de las Tuxtlas,  
 21 June 1969, *Herrara* [*Singer no.*] *M* 8125  
 (F)
- insignis* Singer, 1976a: 45  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ri-  
 beralta, 29 March 1956, *Singer B* 2320 (F)
- ipopus* Singer, 1939a: 64  
 Type information: USSR. Kazakhstan: in the bot-  
 anical garden of Alma Ata, May 1937, *Nev-  
 odovski* (LE?)
- macrosphaerigera* Singer, 1953d: 138  
 HOLOTYPE: Brazil?. 24 January 1946, *Sehnem*  
*1917* (C8339) (LIL)
- megalospora* Singer in Singer & Digilio, 1951e:  
 222  
 HOLOTYPE: Argentina. Tucumán: Sierra de  
 San Javier, Anta Muerte, January, *Singer T*  
*1666* (LIL). [Published in 1952].
- mexicana* Singer, 1976a: 29  
 HOLOTYPE: Mexico. Veracruz: Jalapa, 12-20  
 December 1909, *W. & E. Murrill* 142 (NY)
- mirabilis* Singer, 1942a: 497  
 HOLOTYPE: New Caledonia. Between Col  
 d'Amien and Mgropo, 1907, *Le Rat* 101 (FH).  
 [Published in 1943].
- missionensis* Singer in Singer & Digilio, 1951e:  
 226  
 HOLOTYPE: Argentina. Misiones: Cataratas del  
 Iguazú, 27 November 1949, *Singer & Digilio*  
 [*Singer no.*] *M* 123 (LIL). [Published in  
 1952].
- patouillardii* Singer, 1942a: 483  
 HOLOTYPE: Japan. Bonin Island, *Wright* 525  
 (FH). [Published in 1943].
- phyllophila* Singer, 1957a: 358  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Ji-  
 ménez, 10-12 July 1957, *Singer M* 1507  
 (MICH)
- piceae* Singer, 1939a: 64  
 Type information: USSR. Altai Mtns.: near Ku-  
 rai, August, *Singer & Vasilieva* (LE?)
- podocarpi* Singer in Singer & Digilio, 1951e:  
 225  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto  
 del Taficillo, 6 January 1950, *Singer T* 833  
 (LIL). [Published in 1952].
- pseudostipitaria* ssp. *occidentalis* Singer, 1942a:  
 470  
 HOLOTYPE: Guadeloupe. Plateau des Rivières,  
*Duss* 492 (FH). [Published in 1943].
- pseudostipitaria* ssp. *occidentalis* var. *mesites*  
 Singer, 1942a: 471  
 HOLOTYPE: Martinique. Parc du Collège de St.  
 Pierre, August 1900, *Duss* 1877 (FH). [Pub-  
 lished in 1943].
- pseudostipitaria* ssp. *orientalis* Singer, 1942a:  
 472  
 HOLOTYPE: Vietnam. Tonkin: La Pho, 23 July  
 1909, *Demange* 275 (FH). [Published in  
 1943].
- purpurea* Singer, 1976a: 44  
 HOLOTYPE: Colombia. Valle: Cali, Saladito,  
 15 April 1968, *Singer B* 6151a (F)
- rustica* Singer, 1978h: 25  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo,  
 30 April 1973, *Singer B* 7197 (F)
- sapindaceum* Singer, 1976a: 39  
 HOLOTYPE: Brazil. Paraíba: João Pessoa, 11  
 July 1960, *Singer B* 3377 (F)
- schini* Singer, 1976a: 20  
 HOLOTYPE: Argentina. Catamarca: Hill above  
 Estancia Santa Rosa, near Río Campo, 20 Jan-  
 uary 1952, *Singer T* 1793 (LIL)
- septotricha* Singer, 1942a: 468  
 HOLOTYPE: Guadeloupe. Basse Terre, 14 July  
 1901, *Duss* 513 (FH). [Published in 1943].

*sinensis* Singer, 1989a: 67

HOLOTYPE: China. Yunnan, between "Yung-bei" and "Tschuhsiung (Tsuyung)", 13 May 1915, *Handel-Mazzetti* 6298 (WU)

*siparuae* Singer, 1942a: 505

Type information: USSR. Leningrad, Botanical Garden, 10 June 1939, *Singer* (LE). [Published in 1943]. This species was also published in 1943a: 115.

*tenuipilosa* Singer in *Singer & Digilio*, 1951e: 228

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 24 January 1951, *Singer T 1119* (LIL). [Published in 1952].

*tucumanensis* Singer, 1976a: 40

HOLOTYPE: Argentina. Tucumán: Yerba Buena, 12 February 1955, *Singer T 2158* (LIL)

## CYPTOTRAMA Singer, 1960a: 375

Type species: *Cyptotrama macrobasidium* Singer

*dennisi* Singer, 1973d: 34

HOLOTYPE: Mexico. Veracruz, 30 July 1969, *Singer M 8763* (F)

*depauperatum* Singer, 1978h: 43

HOLOTYPE: Colombia. Antioquía: Medellín, Boqueron, 20 July 1974, *Dumont CO 1750* (F)

*hygrocyboides* Singer, 1969a: 90

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6518* (SGO)

*macrobasidium* Singer, 1960a: 376

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, near Coroico, 27 January 1956, *Singer B 577* (LIL)

*niveum* Singer, 1989a: 91

HOLOTYPE: Brazil. Amazonas: Igarapé de Tarumázinho, 19 March 1980, *Singer B 12039* (INPA)

*pauperum* Singer, 1989a: 91

HOLOTYPE: Brazil. Amazonas: Road Manaus-Itaocatiara, km 65, 6 October 1977, *Maas* [*Singer no.*] *B 10180* (F)

*platense* Singer, 1969a: 92

HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 1 May 1966, *Singer S 739* (BAFC)

## CYSTANGIUM Singer & Smith, 1960h: 67

Type species: *Secotium sessile* Massee & Rodway ex Rodway

*depauperatum* Singer & Smith, 1960h: 69

HOLOTYPE: Chile. Llanquihue: Puella, 20 March 1959, *Singer M 1921* (LIL)

*pineti* Singer, 1985: 417

HOLOTYPE: Mexico. Veracruz: 5 km N of Vigos, 30 October 1982, *Singer M 9514* (F)

## CYSTOAGARICUS Singer, 1947b: 85

Type species: *Nolanea strobilomyces* Murr.

*jujuyensis* Singer, 1973d: 65

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1966, *Singer T 5012/21* (F)

*sachaensis* Singer, 1978h: 47

HOLOTYPE: Ecuador. Napo: Sacha Norte, Sacha 4, 10 May 1973, *Singer B 7357* (F)

## CYSTODERMA

*amianthinum* f. *olivaceum* Singer, 1945f: 111

Type information: USSR. Siberia, *Singer* (LE)

*amianthinum* var. *sublongisporum* Singer, 1945f:

112

HOLOTYPE: USA. New York: Newcomb, Huntington Wild Life Forest, September 1941, *Singer 97* (FH)

*australe* Smith & Singer, 1945f: 97

HOLOTYPE: USA. Florida: Dade County, Maetheson Hammock, 22 October 1942, *Singer F 1184* (FH)

*austrofallax* Singer, 1969a: 174

HOLOTYPE: Chile. Valdivia: near Hueycolla, 4 May 1967, *Singer M 6682* (SGO)

*caucasicum* Singer, 1945f: 105

Type information: USSR. Western Caucasus: near Guserip (LE)

*fallax* Smith & Singer, 1945f: 116

Type information: USA. *Smith 17272* (MICH, FH)

*granulosum* var. *typicum* f. *robustum* Smith & Singer, 1945f: 87

HOLOTYPE: USA. Michigan: Milford, 15 September 1938, *Smith 10967* (MICH)

*paradoxum* Smith & Singer, 1948d: 454

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, 19 October 1947, *Smith 27987* (MICH)

*ponderosum* Smith & Singer, 1945f: 92

HOLOTYPE: USA. Tennessee: Great Smoky Mountain National Park, Mt. Le Conte, 26 July 1942, *Hesler 14390* (TENN)

*subpurpureum* Smith & Singer, 1948d: 457

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, Cedar Creek at Skyline Road, 25 September 1947, *Smith 26824* (MICH)

## CYSTOLEPIOTA Singer in Singer & Digilio, 1951e: 281. [Published in 1952].

Type species: *Cystolepiota constricta* Singer

*albogilva* Singer, 1989a: 98

HOLOTYPE: Brazil. Amazonas: Ponta Negra, 1 January 1978, *Singer B 10445* (INPA)

*amazonica* Singer, 1989a: 99

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B* 9643 (INPA). Although the type information is identical to that of *Marasmiellus amazoniensis* Singer (1989a: 26), the two species were based on different collections judging from Singer's unpublished notebooks. See note under *M. amazoniensis*.

*aurantiaca* Singer, 1973d: 65

HOLOTYPE: Chile. Santiago: near Ranque, 6 July 1967, *Singer M* 7122 (SGO)

*australis* Singer, 1969a: 167

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Camino del Brazo Blest, los Cántaros, 23 March 1963, *Singer M* 3153 (BAFC)

*brunneotingens* Singer in Singer & Digilio, 1951e: 283

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 23 April 1950, *Antonuccio* [Singer no.] *T* 977 (LIL). [Published in 1952].

*cinereofusca* Singer, 1982d: 37

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B* 12453 (F)

*constricta* Singer in Singer & Digilio, 1951e: 283

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 1 March 1949, *Singer T* 173 (LIL). [Published in 1952].

*luteifolia* Singer in Singer & Digilio, 1951e: 282

HOLOTYPE: Peru. Huánuco: Tingo María, 31 October 1948, *Carpenter* 112 (LIL). [Published in 1952].

*marthae* Singer, 1969a: 168

HOLOTYPE: Argentina. Neuquén: Quetrihué, 7 April 1963, *M. Singer & Diem* [Singer no.] *M* 3296 (BAFC)

*potassiovirens* Singer, 1989a: 99

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 31 November 1977, *Singer B* 10247 (INPA)

*pumanquensis* Singer, 1973d: 66

HOLOTYPE: Chile. Colchagua: near Pumanque, 25 July 1967, *Lazo PU-104* (SGO)

*rosea* Singer, 1969a: 168

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, Río Bonito, 6 April 1963, *Singer M* 3292 (BAFC)

*rubra* Singer in Singer & Digilio, 1951e: 282

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 30 March 1951, *Singer T* 1455 (LIL). [Published in 1952].

## DECONICA

*acutiuscula* Singer, 1941b: 86

Type information: Finland. Karelia: near Kivacz in Caucaso Cr., *Singer* (LE?)

*alnetorum* Singer in Singer & Digilio, 1951e: 332

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 8 April 1950, *Singer T* 955 (LIL). [Published in 1952].

## DENNISIOMYCES

Singer, 1955d: 225

Type species: *Dennisiomyces glabrescentipes* Singer

*fuscoalbus* Singer, 1989a: 88

HOLOTYPE: Brazil. Amazonas: Manaus, 29 June 1977, *Singer B* 9896 (INPA)

*glabrescentipes* Singer, 1955d: 225

HOLOTYPE: Brazil. Pernambuco: Recife, Dois Irmãos, *Jose de Silva & Batista* 2223 (LIL)

*rionegrensis* Singer, 1989a: 88

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 11 June 1977, *Singer B* 10071 (INPA)

## DERMOLOMA

*aposcenum* Singer, 1989a: 88

HOLOTYPE: Mexico. Veracruz: 7 km S of Estación Biológica de Los Tuxtlas, 28 July 1969, *Singer M* 8708 (F)

*coryleti* Singer & Clémenton, 1971b: 120

HOLOTYPE: Czechoslovakia. Kremsier, 30 September 1970, *Singer C* 5230 (F)

*pataguae* Singer, 1989a: 89

HOLOTYPE: Chile. Colchagua: Pumanque, 7 August 1967, *Lazo PU-130* (SGO)

*yungense* Singer, 1973d: 61

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 30 January 1956, *Singer B* 700 (LIL, BAFC)

## DESCOLEA

Singer, 1950i: 256

Type species: *Descolea antarctica* Singer

*antarctica* Singer, 1950i: 257

HOLOTYPE: Argentina. Tierra del Fuego, 18 February 1950, *Singer M* 144a (LIL)

## DIACANTHODES

Singer, 1945c: 141

Type species: *Daedalea philippinensis* Pat.

## DICTYOPANUS

*pusillus* var. *pseudorhipidium* Singer, 1953b: 14

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 16 February 1952, *Singer* 1868 (LIL)

**ECCILIA**

*undata* var. *ombrophila* Singer, 1947c: 219  
Type information: collected in 1934.

**ELASMOMYCES**

*camphoratus* Singer & Smith, 1960h: 62  
HOLOTYPE: USA. Washington: Lake Quinault,  
5 November 1925, Brown s.n. (MICH)  
*odoratus* Singer & Smith, 1960h: 57  
HOLOTYPE: USA. Washington: Mt. Rainier  
National Park, 23 July 1948, Smith 29303  
(MICH)  
*roseipes* Singer & Smith, 1960h: 64  
HOLOTYPE: USA. California: near Trinidad, no  
date, White 171 (MICH)  
*zellerianus* Singer & Smith, 1960h: 61  
HOLOTYPE: USA. Washington: Lake Quinault,  
26 October 1925, Brown s.n. (MICH)

**ENDOLEPIOTULA** Singer, 1963a: 260

Type species: *Endolepiotula ruizlealii* Singer  
*ruizlealii* Singer, 1963a: 260  
HOLOTYPE: Argentina. Mendoza: Santa Rosa,  
Las Catitas, 10 March 1941, Ruiz Leal 7. 616  
(Ruiz Leal's herbarium). Fragments of the  
type at BAFC and MICH.

**ENDOPTYCHUM**

*depressum* Singer & Smith, 1958n: 216  
HOLOTYPE: USA. Idaho, Seven Devils' Mtns.,  
23 August 1954, Smith 46579 (MICH)

**ENTOLOMA**

*pyrenaica* Singer, 1947c: 219  
Type information: Spain. Catalonia: Ribera de  
Sant Maurici, 1934.

**EPICNAPHUS** Singer, 1960f: 274, 279

Type species: *Epicnaphus phalaropus* Singer  
*phalaropus* Singer, 1960f: 275, 279  
HOLOTYPE: Bolivia. Pando: Manuripi, Con-  
quista, 24 March 1956, Singer B 2175 (LIL)

**FAVOLASCHIA**

*alsophilae* Singer, 1974b: 73, 102  
HOLOTYPE: Colombia. Valle: Dagua road near  
km 25, 28 April 1968, Singer B 6443 (F)  
*andina* Singer, 1974b: 68, 102  
HOLOTYPE: Colombia. Cundinamarca: Páramo  
Chisaca-Sumapas, 8 May 1968, Singer B 7022  
(F)

*aurantiaca* Singer, 1974b: 33, 101  
HOLOTYPE: Bolivia. Pando: Manuripi, Con-  
quista, 25 March 1956, Singer B 2199 (F)  
*calocera* var. *claudopus* Singer, 1974b: 38, 101  
HOLOTYPE: New Zealand. North Island: Wai-  
temata County, Waitarua, Waitakere Ranges,  
July 1973, Beaver s. n. (F)  
*dealbata* Singer, 1955a: 763  
HOLOTYPE: Panama. Chiriquí: Casita Alta  
above Boquete, 31 July 1952, Martin & Wel-  
den 8070 (F)  
*dumontii* Singer, 1974b: 61, 102  
HOLOTYPE: Venezuela. Mérida: El Pino, 16  
km E of Apartaderos, 19 July 1971, Dumont  
and others VE 2480 (NY)  
*echinata* Singer, 1950e: 253  
HOLOTYPE: Argentina. Tucumán: Los Sosas,  
19 January 1950, Singer T 919 (LIL)  
*fendleri* Singer, 1974b: 32, 101  
HOLOTYPE: Brazil. São Paulo: Reserva Florestal  
do Horto, Florestal, Serra de Cantareira, 17  
December 1964, Singer & Furtado B 4118 (F)  
*filopes* Singer & Fidalgo, 1965f: 11  
HOLOTYPE: Brazil. São Paulo: São Paulo,  
Parque do Estado, 1961, Furtado SP 60965  
(SP)  
*furfurella* Singer, 1974b: 87, 103  
HOLOTYPE: Venezuela. Mérida: Parque Na-  
cional Sierra Nevada, 25 July 1971, Dumont  
and others VE 2991 (NY)  
*heliconiae* Singer, 1974b: 58, 101  
HOLOTYPE: Venezuela. Sucre: Trail from Los  
Pocitos to Río Grande Arriba, 13 July 1972,  
Dumont and others VE 5029 (NY)  
*intermedia* ssp. *pulverulenta* var. *dicotyledonea*  
Singer, 1974b: 95, 104  
HOLOTYPE: Trinidad. River Estate, Diego  
Martin, 29 September 1949, Dennis 95 (K)  
*intermedia* ssp. *pulverulenta* var. *dennisia*  
Singer, 1974b: 95, 104  
HOLOTYPE: Venezuela. Mérida: La Montaña  
above Mérida, 30 July 1971, Dumont and oth-  
ers VE 3454 (NY)  
*intermedia* ssp. *pulverulenta* var. *tetraspora*  
Singer, 1974b: 97, 104  
HOLOTYPE: Venezuela. Trujillo: between Es-  
cuque, and La Mesa de San Pedro, 31 July  
1971, Dumont and others VE 3516 (NY)  
*mainsii* Singer, 1974b: 60, 101  
HOLOTYPE: Belize. El Cayo: Valentin, 25 June  
1936, Mains s. n. (BPI)  
*meridae* Singer, 1974b: 84, 103  
HOLOTYPE: Venezuela. Mérida: Parque Na-  
cional Sierra Nevada, Laguna Negra, 18 July  
1971, Dumont and others VE 2317 (NY)  
*montana* Singer, 1974b: 70, 102  
HOLOTYPE: Argentina. Jujuy: Lagunas de  
Yala, 11 February 1966, Singer T 5056 (F)

- oligogloea* Singer, 1974b: 78, 103  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 7278 (F)
- oligopora* Singer, 1974b: 25, 101  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 22 April 1968, *Singer B* 6279 (F)
- pantherina* Singer, 1974b: 74, 103  
 HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguaréte, 15 April 1957, *Singer M* 1003 (F)
- pterigena* Singer, 1950e: 255  
 HOLOTYPE: Argentina. Tucumán: Sierra Muñoz, 13 January 1950, *Singer T* 862 (LIL)
- pterigena* var. *boliviiana* Singer, 1974b: 56, 101  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 1 February 1956, *Singer B* 817 (F)
- pterigena* var. *purpurea* Singer, 1974b: 57, 101  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cataratas de San Juan, 28 January 1956, *Singer B* 603 (F)
- puberula* Singer, 1974b: 71, 102  
 HOLOTYPE: Venezuela. Dto. Federal: Mt. La Naiguata, 25 June 1971, *Dumont and others VE* 710 (NY)
- roseogrisea* Singer, 1974b: 82, 103  
 HOLOTYPE: Colombia. Tolima: road from Cañamara to Calaná, 11 April 1968, *Singer B* 6035 (F)
- sabalensis* var. *geonematis* Singer, 1974b: 36, 101  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B* 7441 (F)
- subamyloidea* Singer, 1974b: 89, 104  
 HOLOTYPE: Venezuela. Sucre: NW of Irapa, 9 July 1972, *Dumont and others VE* 4425 (NY)
- teapae* Singer, 1974b: 64, 102  
 HOLOTYPE: Mexico. Río Teapa, between Ixacomitan and Solusuchiapa, 1 August 1969, *Singer M* 8798 (F)
- thwaitesii* ssp. *dybowskyana* Singer, 1945g: 211  
 Type information: Uganda [Protectorate]. Near Tropical Inst. at Mulange, *Dummer* (Patouilla)
- thwaitesii* ssp. *zenkeriana* Singer, 1945g: 211  
 Type information: Liberia. Oulah, August 1926, *Linder* (FH?)
- varariotecta* Singer, 1945g: 201  
 Type information: British West Indies. Grand Etang, *Thaxter* (FH)
- violascens* Singer, 1974b: 88, 103  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer B* 1227 (F)
- bisphaerigera** var. *grisea* Singer, 1947c: 243  
 Type information: Spain. Catalonia, between Bossost and Portillo, October 1934.
- deusta* Singer & Cléménçon, 1971b: 123  
 HOLOTYPE: USA. Michigan: Cheboygan County, Bryant Road, 24 July 1968, *Cléménçon* 680724-0 (LAU)
- dusenii* var. *griseilamellata* Singer, 1952c: 220  
 HOLOTYPE: Argentina. Tierra del Fuego, Estancia Nueva Argentina, 10 February 1950, *Singer M* 162 (LIL)
- marthae* Singer & Cléménçon, 1971b: 122  
 HOLOTYPE: Italy. Savoia: Val Feret, Frébouze, 8 June 1971, *M. Singer* [*Singer no.*] C 5383 (F)
- metuloidigera* Singer, 1989a: 90  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T* 3910 (F)
- tenuisperma* Singer, 1969a: 146  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Arroyo Frutillas, 24 April 1965, *Singer M* 3620 (BAFC)
- tetrasphaerigera* Singer, 1965e: 38  
 HOLOTYPE: Brazil. Rio Grande do Sul: Guanabara, Floresta de Tijuca, 28 October 1961, *Singer B* 4046 (BAFC)
- tilieti* Singer, 1943a: 63  
 Type information: USSR. Moldavia, August-September.

## FISTULINELLA

- alfaroae* Singer & Gómez, 1991a: 77, 88  
 HOLOTYPE: Costa Rica. Limón: Valle de la Estrella, 5 August 1986, *Singer, Gómez & Alfaro /Singer no.* B 14621 (F)
- campinaranae* Singer, 1978a: 436  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 18 July 1977, *Singer B* 10109 (INPA)
- campinaranae* var. *scrobiculata* Singer, 1983f: 148  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 31 March 1980, *Webber & Singer /Singer no.* B 12089 (INPA)
- conica* var. *beltensis* Singer, 1983f: 140  
 HOLOTYPE: Belize. Augustine: Forest Station, 17 June 1976, *Ivory S/114* (F)
- wolfeana* Singer & Garcia, 1991a: 82, 88  
 HOLOTYPE: Mexico. Hidalgo: Minas Viejas, 31 July 1981, *Garcia* 658 (F)

## FLAMMULA

- freindlingiae* Singer, 1936g: 170, 171  
 Type information: USSR. (LE?)

## FAYODIA

- agloea* Singer & Passauer, 1979c: 299  
 HOLOTYPE: Austria. Upper Austria, 2 May 1976, *Moog/Passauer* (W)

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*lenticeps* Singer, 1941e: 97

Type information: Finland. Karelia, August, *Freindling & Singer* (LE?)

*maackiae* Singer, 1941e: 97

Type information: USSR. Khabarovsk: Oriens Extr., September, *Ljubarski* (LE?)

*semiimbricata* Singer, 1937: 240, 241

Type information: USSR. Western Caucasus: In valley Flum, Malaja Laba, spring 1936, *Vasiljeva* (LE?)

## FULVIDULA

*alpina* Singer, 1937: 239

Type information: USSR. Caucasus: Mt. Goulchi, In valle Urzuacski, July-August 1936, *Vasilieva*.

*janthinosarx* Singer, 1941e: 92

Type information: USSR. Altai Mtns.: Katun, July 1937, *Singer* (LE?)

## GALERINA

*aberrans* Smith & Singer, 1955e: 582

HOLOTYPE: USA. Michigan: Cheboygan County, Whitemore Lake, Mud Lake Bog, 25 September 1933, *Smith 33-1024* (MICH)

*acicola* Smith & Singer, 1955e: 562

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, Little Crater Lake, 5 October 1946, *Smith 24101* (MICH)

*agloea* Smith & Singer, 1955e: 574

HOLOTYPE: USA. Washington: Mt. Rainier National Park, Carbon River, 2 October 1952, *Smith 40462* (MICH)

*aimara* Singer, 1964h: 112

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 25 January 1956, *Singer B 502* (MICH)

*allospora* Smith & Singer, 1955e: 585

HOLOTYPE: USA. Michigan: Cheboygan County, Mud Lake Bog, 12 October 1953, *Smith 44038* (MICH)

*alpestris* Singer, 1974a: 372

HOLOTYPE: Switzerland. Valais, Glacier Lake below Glacier de Moiry, 14 August 1971, *Singer 5494* (F)

*andina* Singer, 1964h: 144

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 25 January 1956, *Singer B 509* (MICH)

*anelligera* Smith & Singer, 1958i: 475

HOLOTYPE: USA. Idaho: Payette Lakes, South fork of Lake Fork, 17 September 1956, *Shaffer* (*Smith no.*) 53494 (MICH)

*angustifolia* Smith & Singer, 1964h: 317

HOLOTYPE: USA. Colorado: Lizard Head Pass, 10 August 1956, *Smith 52000* (MICH)

*antarctica* Singer, 1962d: 13

HOLOTYPE: Antarctica. Peninsula, Costa de Danco, 5 January 1958, *Corte 1.024/CE 50.134* (IAA: Instituto Antartico Argentino, no longer exists).

*arenaria* Singer, 1953d: 124

HOLOTYPE: Brazil. Río Grande do Sul: Pareci, 2 November 1951, *Singer B 70* (LIL)

*asteliae* Singer, 1969a: 315

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 30 April 1967, *Singer M 6557* (SGO)

*austrocalyprata* Smith & Singer, 1964h: 82

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, path to Cántaros, 23 April 1958, *Pujals & Gamundi 50* (LIL). Isotype: MICH

*austrocalyprata* var. *olivaceolamellata* Singer, 1964h: 83

HOLOTYPE: Chile. Llanquihué: Puella, 21 March 1959, *Singer M 1945* (LIL)

*berteroana* Singer, 1969a: 306

HOLOTYPE: Argentina. Río Negro: Nahuel Huapi National Park, Brazo Tristeza, 6 May 1964, *Singer M 3998* (BAFC)

*boliviiana* Singer, 1964h: 58

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 28 January 1956, *Singer B 628a* (MICH)

*borealis* Smith & Singer, 1958i: 470

HOLOTYPE: USA. Idaho: Granite Creek, near Nordman, 15 October 1956, *Smith 54772* (MICH)

*bullulifera* Singer in Singer & Digilio, 1951e: 375

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 10 July 1949, *Singer T 600* (LIL). [Published in 1952].

*californica* Smith & Singer, 1958i: 470

HOLOTYPE: USA. California: Trinidad, 4 December 1956, *Smith 56299* (MICH)

*cascadensis* Smith & Singer, 1955e: 571

HOLOTYPE: USA. Washington: Mt. Rainier National Park, 19 October 1952, *Smith 41144* (MICH)

*castaneipes* Smith & Singer, 1958i: 472

HOLOTYPE: USA. Oregon: Grants Pass, 12 November 1956, *Smith 55523* (MICH)

*castanescens* Smith & Singer, 1958i: 471

HOLOTYPE: USA. Idaho: Granite Creek, Nordman, 9 October 1956, *Smith 54347* (MICH)

*cedretorum* var. *austroandina* Singer, 1964h: 281

HOLOTYPE: Argentina. Río Negro: Nahuel Huapi National Park, Río Frías, path to Paso de los Nubes, 16 March 1959, *Singer M 1849* (LIL)

- cedretorum* var. *bispora* Smith & Singer, 1964h: 280  
 HOLOTYPE: *Smith 56162* (MICH). Type locality not given.
- cedretorum* var. *filiformis* Smith & Singer, 1964h: 282  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, near Green Lake, 17 October 1952, *Smith 41032* (MICH)
- cedretorum* var. *variabilis* Smith & Singer, 1964h: 284  
 HOLOTYPE: USA. Colorado: San Juan Mtns., 13 August 1956, *Smith 52126* (MICH)
- cerina* Smith & Singer, 1955e: 563  
 Type information: USA. 1188 (MICH)
- cerina* var. *ampullicystis* Smith & Singer, 1955e: 565  
 HOLOTYPE: USA. Michigan, 23 June 1953, *Singer N 142* (F)
- cerina* var. *brachycystis* Smith & Singer, 1955e: 569  
 HOLOTYPE: USA. Michigan: Pinckney, George Reserve, 21 July 1933, *Smith 33-606* (MICH)
- cerina* var. *bresadolae* Smith & Singer, 1955e: 568  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, Green Lake, October 1952, *Smith 40994* (MICH)
- cerina* var. *cerina* f. *bispora* Smith & Singer, 1955e: 565  
 HOLOTYPE: USA. Michigan: near Whittemore Lake, June 1951, *Smith 44136* (MICH)
- cerina* var. *contorticystis* Smith & Singer, 1955e: 570  
 HOLOTYPE: USA. Michigan: Luce County, Tahquamenon Falls State Park, 17 August 1953, *Singer N 1326* (F)
- cerina* var. *longicystis* Smith & Singer, 1955e: 567  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, Carbon River, *Smith 40453* (MICH)
- cerina* var. *luteovelata* Smith & Singer, 1955e: 566  
 HOLOTYPE: USA. Washington: Olympic National Forest, Hoh River, 7 May 1939, *Smith 13191* (MICH)
- cerina* var. *luteovelata* f. *occidentalis* Smith & Singer, 1964h: 69  
 HOLOTYPE: USA. Washington: Snoqualmie Pass, 26 September 1954, *Smith 47903* (MICH)
- cerina* var. *nebulosum* Smith & Singer, 1964h: 76  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Mt. Uchumachi, 25 February 1956, *Singer B 1471* (MICH)
- cerina* var. *yungensis* Smith & Singer, 1964h: 78  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, near Catarata, San Juan, 24 January 1956, *Singer B 624* (MICH)
- cingulata* Singer, 1964h: 218  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, February, *Singer B 1536* (MICH)
- cinnamomea* Smith & Singer, 1958i: 473  
 HOLOTYPE: USA. Oregon: Grants Pass, 10 November 1956, *Smith 55422* (MICH)
- columbiana* Singer, 1973d: 89  
 HOLOTYPE: Colombia. Boyacá: Arcabuco, 29 July 1960, *Singer B 3608* (F)
- conspicua* Singer, 1969a: 318  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes, 24 March 1963, *Singer M 3186* (BAFC)
- coquimbensis* Singer, 1969a: 310  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M 6532* (SGO)
- decipiens* Smith & Singer, 1955e: 577  
 HOLOTYPE: USA. Michigan: Emmet County, Mackinaw City Hardwoods, 7 June 1953, *Singer N 431* (F)
- decipiens* var. *separans* Smith & Singer, 1955e: 579  
 HOLOTYPE: USA. Michigan: Emmet County, Wilderness Park, 29 July 1953, *Smith 41739* (MICH)
- dicranorum* Smith & Singer, 1958i: 474  
 HOLOTYPE: USA. Maine: S of Sinclair, 27 August 1956, *Bigelow 4421* (MICH)
- dimorphocystis* Smith & Singer, 1955e: 558  
 HOLOTYPE: USA. Michigan: Luce County, Tahquamenon Falls State Park, 1953, *Smith 41401* (MICH)
- dimorphocystis* var. *nexapensis* Singer, 1964h: 46  
 HOLOTYPE: Mexico. Dto. Federal, near San Pedro de Nexapa, 21 July 1957, *Singer M 1566* (MICH)
- discernibilis* Singer, 1973d: 90  
 HOLOTYPE: Colombia. Valle: Cali, 15 April 1968, *Singer B 6150* (F)
- dominici* Singer apud Dennis ex Singer, 1964h: 125  
 HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, *Dennis 2506* (LIL)
- elaeophylla* Singer, 1969a: 312  
 HOLOTYPE: Chile. Santiago: Quebrada Diego, near Carmen, 6 July 1967, *Singer M 7115* (SGO)
- emmetensis* Smith & Singer, 1955e: 580  
 HOLOTYPE: USA. Michigan: Emmet County, between Brutus and Pellston, June-July 1953, *Singer N 83* (F, MICH)

- emmetensis* var. *intermedia* Smith & Singer, 1955e: 581  
 HOLOTYPE: USA. Michigan: near Brutus, 6 July 1953, *Smith* 41515 (MICH)
- evelata* var. *fulvipes* Smith & Singer, 1964h: 86  
 HOLOTYPE: USA. Washington: near Longmire, 11 October 1954, *Smith* 48836 (MICH)
- fallax* Smith & Singer, 1955e: 561  
 HOLOTYPE: USA. *Smith* 16239 (MICH)
- fallax* f. *subfiliformis* Smith & Singer, 1964h: 85  
 HOLOTYPE: Canada. Quebec: Laurentide Park, near Mare du Sault, 2 September 1956, *Smith* 61758 (MICH)
- filiformis* Smith & Singer, 1958i: 474  
 HOLOTYPE: USA. California: Trinidad, 10 December 1956, *Smith* 56556 (MICH)
- fuegiana* Singer, 1953a: 242  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M* 327 (LIL)
- funariae* Smith & Singer, 1955e: 594  
 HOLOTYPE: USA. Washington: Kalaloch, April, *Smith* 12063 (MICH)
- gamundiae* Singer, 1964h: 194  
 HOLOTYPE: Argentina. Neuquén: Villa La Angostura, *Pujals & Gamundi* 366 (LIL). Duplicate material at BAFC.
- glacialis* Singer, 1941e: 92  
 Type information: USSR. Altai Mtns., August, *Singer* (LE?)
- hypnorum* var. *evelata* Singer, 1946g: 146  
 Type information: USA. New Hampshire: White Mtns., Mount Washington, August 1945, *Singer WM-3 or WM-21* (FH). [Published in 1948].
- hypszyla* Singer, 1964h: 174  
 HOLOTYPE: Argentina. Catamarca: Minas Capillitas, 1-3 March 1952, *Singer T* 1916 (LIL)
- inconspicua* Singer, 1954b: 139, 140  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 16 May 1952, *Singer M* 662 (LIL). Also published in Smith & Singer, 1955e: 592.
- inconspicua* var. *mixta* Singer, 1969a: 319  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Santa María, 19 April 1965, *Singer M* 5064 (BAFC)
- inconspicua* var. *sublevis* Singer, 1969a: 319  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 8 April 1963, *Singer M* 3324 (BAFC)
- infernalis* Singer, 1964h: 268  
 HOLOTYPE: Argentina. Tucumán: Infiernillo, 3 January 1960, *Singer B* 3046 (LIL)
- jaapi* Smith & Singer, 1955e: 574  
 Type information: Germany. See Fungi Selecti Exsiccati 10, VIII, 1903
- karstenii* Smith & Singer, 1964h: 319  
 HOLOTYPE: Finland. 9 September 1865, *Karsten* (H)
- laeta* Singer, 1964h: 185  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 28 January 1956, *Singer B* 626 (MICH)
- larigna* Singer, 1941e: 93  
 Type information: USSR. Altai Mtns., July, *Singer & Vasilieva* (LE?)
- latispora* Smith & Singer, 1955e: 591  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, Castle Peak, 20 September 1952, *Smith* 40099 (MICH)
- latispora* var. *mexicana* Singer, 1964h: 312  
 HOLOTYPE: Mexico. Dto. Federal: Paso de Cortés, 21 July 1957, *Singer M* 1567 (MICH)
- leucobryicola* Smith & Singer, 1958i: 476  
 HOLOTYPE: USA. Michigan: Washtenaw County, Pinckney Recreation Area, 29 May 1955, *Smith* 49533 (MICH)
- longinqua* Smith & Singer, 1958i: 477  
 HOLOTYPE: Australia. Macquarie Island: N of Green Gorge, 29 March 1954, *Bunt* (LIL)
- luteolosperma* Singer, 1955e: 570  
 HOLOTYPE: USA. Michigan: Trout Lake, 4 October 1953, *Smith* 43722 (MICH)
- machangaraensis* Singer, 1978h: 67  
 HOLOTYPE: Ecuador. Pichincha: near Quito, Río Machángara, 20 May 1973, *Singer B* 7545 (F)
- macquariensis* Smith & Singer, 1958i: 478  
 HOLOTYPE: Australia. Macquarie Island, *Bunt* 1950-51 (MICH)
- mainsii* Smith & Singer, 1958i: 479  
 HOLOTYPE: USA. Montana: Glacier National Park, Logan Pass, 20 August 1941, *Mains* 6116 (MICH?)
- mainsii* var. *tetraspora* Singer, 1974a: 382  
 HOLOTYPE: Switzerland. Valais, along River Borgne de Ferrière, 11 July 1971, *Singer C* 5471 (F)
- majalis* Singer, 1989a: 116  
 HOLOTYPE: USA. Illinois: Cook County, 26 May 1984, *Singer N* 4121 (F)
- marthae* Singer, 1969a: 309  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M* 5589 (BAFC)
- megalocystis* Smith & Singer, 1955e: 588  
 HOLOTYPE: USA. California: Trinidad, 30 November 1935, *Parks & Smith* 3680 (MICH)
- meridionalis* Singer & Cléménçon, 1971b: 127  
 HOLOTYPE: France. Alpes maritimes: 3 km west of Valouris, 15 December 1970, *Singer C* 5347 (F)
- mesites* Smith & Singer, 1955e: 587  
 HOLOTYPE: USA. Michigan: Emmet County, Mackinaw City Hardwoods, October, *Smith* 44054 (MICH)

- minor* Singer, 1953d: 125  
 HOLOTYPE: Brazil. Río Grande do Sul: Parecí, 2 November 1951, *Singer B* 65 (LIL)
- mollis* Smith & Singer, 1955e: 590  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, Green Lake, 17 October 1952, *Smith* 41074 (MICH)
- montivaga* Singer, 1969a: 306  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 12 December 1958, *Singer M* 3161 (LIL)
- mycenoides* f. *mamillata* Singer, 1950h: 480  
 HOLOTYPE: USSR. Altai Mtns. (LE). No Latin diagnosis.
- nana* f. *bohemica* Singer, 1950h: 467  
 Type information: USSR. Altai Mtns. (LE). No Latin diagnosis.
- naucoroides* Smith & Singer, 1955e: 584  
 HOLOTYPE: USA. Michigan: Marquette County, Huron Mtns., September, *Smith* 33-995 (MICH)
- nigripes* Smith & Singer, 1958i: 480  
 HOLOTYPE: USA. Oregon: McLeod, near Grant's Pass, 15 November 1956, *Smith* 55691 (MICH)
- nordmaniana* Smith & Singer, 1958i: 480  
 HOLOTYPE: USA. Idaho: Granite Creek, near Nordman, 9 October 1956, *Smith* 54260 (MICH)
- nubigena* Smith & Singer, 1964h: 60  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B* 1469 (MICH)
- oligocalyprata* Singer, 1989a: 117  
 HOLOTYPE: Colombia. Boyacá: Arcabuco, 28 July 1960, *Singer B* 3571 (F)
- oreina* Smith & Singer, 1955e: 593  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, Snow Lake, *Smith* 40344 (MICH)
- papillata* Singer in Singer & Digilio, 1951e: 382  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T* 1375 (LIL). [Published in 1952].
- patagonica* Singer, 1954b: 140, 141  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi, Gebiet, 16 May 1952, *Singer M* 677 (LIL)
- payettensis* Smith & Singer, 1958i: 481  
 HOLOTYPE: USA. Idaho: Payette Lakes, Lake Fork Creek, South Fork, 17 September 1956, *Smith* 53491 (MICH)
- peladae* Singer, 1969a: 314  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 6 May 1967, *M. Singer* [*Singer no.*] *M* 6735 (SGO)
- perangusta* Smith & Singer, 1958i: 482  
 HOLOTYPE: USA. California: Humboldt State Park, 30 November 1956, *Smith* 56007 (MICH)
- perrara* Singer, 1962d: 16  
 HOLOTYPE: Antarctica. Peninsula, Costa de Danco, 17 February 1961, *Corte 044* (IAA: Instituto Antartico Argentino, no longer exists)
- phlegmacoides* Singer, 1969a: 313  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, *Singer M* 5711 (BAFC)
- physospora* Singer in Singer & Digilio, 1951e: 381  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 10 July 1949, *Singer T* 597 (LIL). [Published in 1952].
- polytrichorum* Singer, 1964h: 194  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cotapata, 28 January 1956, *Singer B* 619 (MICH)
- praetervisa* Singer, 1964h: 352  
 HOLOTYPE: Argentina. Neuquén: Rincón, 18 March 1963, *Singer M* 3064 (BAFC)
- proxima* Singer, 1964h: 200  
 HOLOTYPE: Argentina. Tierra del Fuego, February, *Singer M* 187 (LIL)
- pseudocamerina* var. *pargoloviana* Singer, 1964h: 120  
 Type information: USSR. Leningrad, 1937, *Singer* (LE). Syntype: MICH
- pseudocerina* Smith & Singer, 1958i: 483  
 HOLOTYPE: USA. Colorado: San Juan Mtns., Trout Lake, 14 August 1956, *Smith* 52182 (MICH)
- pubescentes* Smith & Singer, 1964h: 320  
 HOLOTYPE: USA. Idaho: Seven Devils' Mtns., 12 September 1956, *Smith* 53374 (MICH)
- pucarensis* Singer, 1969a: 305  
 HOLOTYPE: Argentina. Neuquén: Pucará, 6 November 1966, *Singer M* 6023 (BAFC)
- pulchra* Smith & Singer, 1964h: 101  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, near Green Lake, 19 October 1952, *Smith* 41205 (MICH)
- quinteroensis* Singer, 1969a: 316  
 HOLOTYPE: Chile. Valparaíso: Quintero, 27 June 1967, *Singer M* 7004 (SGO)
- radicellicola* Singer, 1964h: 353  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, Los Cántaros, 23 March 1963, *Singer M* 3154 (BAFC)
- riparia* Singer, 1953a: 249  
 Type information: Argentina. Tierra del Fuego (LIL). No type indicated. Type may be among Singer's collections M 314-315, M 240 and M 352.
- rostrata* Smith & Singer, 1958i: 484  
 HOLOTYPE: USA. California: Orick, Prairie Creek State Park, 5 December 1956, *Smith* 56364 (MICH)

- sahleri* var. *sequoiae* Smith & Singer, 1964h: 65  
 HOLOTYPE: USA. California: Orick, 3 December 1935, *Smith* 3745 (MICH)
- saltensis* Singer in Singer & Digilio, 1951e: 382  
 HOLOTYPE: Argentina. Salta: Corralitos, 24 March 1951, *Singer T* 1418 (LIL). [Published in 1952].
- sanctixerii* Singer, 1973d: 91  
 HOLOTYPE: Argentina. Tucumán: San Javier, 28 February 1962, *Singer T* 3776 (BAFC)
- semiglobata* Singer, 1953d: 147  
 HOLOTYPE: Brazil. Río Grande do Sul: Taimbesinho, 5 November 1951, *Singer B* 100 (LIL)
- sequoiae* Singer, 1989a: 118  
 HOLOTYPE: USA. California: Samuel Taylor Park, 6 February 1982, *Mackler and others* [*Singer no.*] N 5005 (F)
- simocyboides* Singer, 1969a: 311  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6529 (SGO)
- stylifera* var. *badia* Smith & Singer, 1958i: 486  
 HOLOTYPE: USA. Idaho: Kaniksu National Forest, Granite Creek, 6 October 1956, *Smith* 54112 (MICH)
- stylifera* var. *caespitosa* Smith & Singer, 1964h: 134  
 HOLOTYPE: USA. Michigan: Oakland County, Haven Hill, Highland Recreation Area, October 1951, *Smith* 41223 (MICH)
- stylifera* var. *velosa* Smith & Singer, 1958i: 487  
 HOLOTYPE: USA. Idaho, 1954, *Smith* 47201 (MICH)
- subarctica* Smith & Singer, 1964h: 54  
 HOLOTYPE: USA. Alaska: near Anchorage, 9 October 1959, *Wells* 1959 # 3 (MICH)
- subbadia* Smith & Singer, 1955e: 572  
 HOLOTYPE: USA. Oregon: Blue River, 16 October 1937, *Smith* 7845 (MICH)
- subbululifera* Singer, 1953d: 137  
 HOLOTYPE: Brazil. Río Grande de Sul: Estacio Sao Salvador, 9 November 1951, *Singer B* 126 (LIL)
- subceracea* Smith & Singer, 1955e: 559  
 HOLOTYPE: USA. Michigan: Wilderness Park, 7 October 1953, *Smith* 43847 (MICH)
- subcerina* Smith & Singer, 1958i: 485  
 HOLOTYPE: USA. Maine: Aroostook County, near Guerette, 25 August 1956, *Bigelow* 4379 (MICH)
- subglabripes* Smith & Singer, 1955e: 589  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, Carbon River, 2 October 1952, *Smith* 40459 (MICH)
- subpapillata* Singer & Dennis, 1964h: 221  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer B* 1240 (LIL)
- subtibiicystis* Singer, 1953d: 146  
 HOLOTYPE: Brazil. Río Grande do Sul: Taimbesinho, 5 November 1951, *Singer B* 102 (LIL)
- subtruncata* Smith & Singer, 1958i: 486  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, St. Andrew's Creek, 24 September 1952, *Smith* 40199 (MICH)
- taimbesinhoensis* Singer, 1953d: 148  
 HOLOTYPE: Brazil. Río Grande do Sul: Taimbesinho, 5 November 1951, *Singer B* 101 (LIL)
- tatrensis* Singer, 1989a: 118  
 HOLOTYPE: Czechoslovakia. Slovakia: Skalnate Pleso, 5 September 1974, *Singer C* 5881 (F)
- thujina* Smith & Singer, 1955e: 595  
 HOLOTYPE: USA. Michigan: Luce County, Tahquamenon Falls State Park, 11 September 1953, *Smith* 42589 (MICH)
- triscopa* f. *longicystis* Smith & Singer, 1958i: 489  
 HOLOTYPE: USA. Idaho: Payette Lakes, 30 August 1954, *Bigelow* [*Smith no.*] 47110 (MICH)
- triscopa* var. *tetrascopa* Smith & Singer, 1964h: 105  
 HOLOTYPE: USA. Michigan, *Smith* 42157 (MICH)
- tsugae* Smith & Singer, 1955e: 586  
 HOLOTYPE: USA. Michigan: Cheboygan County, Mud Lake Bog, *Smith* 44070 (MICH)
- tundrae* Smith & Singer, 1955e: 584  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, below Gobler's Knob, 12 October 1952, *Smith* 40858 (MICH)
- turfosa* Smith & Singer, 1955e: 560  
 HOLOTYPE: USA. Michigan: Whitomore Lake, September 1933, *Smith* 33-1101 (MICH)
- uchumachiensis* Singer, 1964h: 150  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B* 1470 (MICH)
- velutipes* Singer, 1964h: 284  
 HOLOTYPE: Argentina. Misiones: Puerto Igua-zú, 12 April 1957, *Singer M* 932 (LIL)
- vexans* Smith & Singer, 1955e: 583  
 HOLOTYPE: USA. Michigan, Pt. Aux Chenes and Wilderness Park, *Smith* 42824 (MICH)
- viatica* Singer, 1964h: 231  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer B* 1247 (LIL)
- victoriae* Singer, 1954b: 140  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Isla Victoria, 17 May 1952, *Singer M* 710 (LIL)

- vinaceobrunnea* Smith & Singer, 1955e: 573  
 HOLOTYPE: USA. Michigan: Burt Lake, Miller's Bog, 23 September 1949, *Smith* 34149 (MICH)
- vittaeformis* var. *albescens* Smith & Singer, 1964h: 333  
 HOLOTYPE: USA. *Smith* 40128 (MICH)
- vittaeformis* f. *bispora* Smith & Singer, 1964h: 334  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, 30 September 1952, *Smith* 40340 (MICH)
- vittaeformis* var. *pachyspora* Smith & Singer, 1958i: 488  
 HOLOTYPE: Australia. Macquarie Island: West Point, 31 March 1953, *Bunt* (LIL, MICH)
- vittaeformis* var. *subannulata* Singer, 1953a: 246  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M* 429 (LIL)
- yungicola* Singer, 1964h: 114  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coiroco, 5 February 1956, *Singer B* 932 (MICH)

## GALEROPSIS

- andina* Singer, 1963c: 107  
 HOLOTYPE: Argentina. Mendoza: San Carlos, Arroyo de Cruz de Piedras, 20 January 1941, *Ruiz Leal* 7287 (Ruiz Leal's herbarium). A duplicate of the holotype in BAFC.
- andina* var. *gracilior* Singer, 1963c: 107  
 HOLOTYPE: Argentina. Mendoza: San Carlos, Laguna del Diamante, 20 January 1941, *Ruiz Leal* 7233 (Ruiz Leal's herbarium)

## GASTROBOLETUS

- fascifer* Singer & Smith, 1964j: 310  
 HOLOTYPE: Zimbabwe. Umtali District, 28 May 1961, *Chase* 7549 (K)
- laricinus* Singer & Both, 1977b: 60  
 HOLOTYPE: USA. New York: Olcott, 1 October 1975, *Both* 1858 (BUF). Isotype: FH

## GERRONEMA Singer, 1951b: 599

- Type species: *Gerronema melanomphax* Singer  
*albogriseolum* Singer, 1989a: 13  
 HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracaraí, km 125, 20 July 1978, *Singer B* 11291 (INPA)
- alexandri* Singer, 1961b: 51  
 HOLOTYPE: USA. Michigan: Luce County, near Tahquamenon Falls, 23 June 1953, *Singer N* 127 (F)

- alutaceum* Singer, 1978b: 155  
 HOLOTYPE: Switzerland. *Singer C* 5116 (F). Isotype: LAU
- angustifolium* Singer, 1959b: 379  
 HOLOTYPE: USA. Florida: Dade County, Miami, Brickell Hammock, 25 October 1942, *Singer F* 1285 (FH)
- bethlehemicum* Singer, 1989a: 14  
 HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B* 4274 (BAFC)
- brunneum* Singer, 1964e: 78  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 23 February 1956, *Singer B* 1399 (BAFC)
- bryogonet* Singer, 1961b: 50  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Camen Pampa, 1 February 1956, *Singer B* 811 (LIL)
- calongei* Singer, 1970a: 67  
 HOLOTYPE: Colombia. Valle: Municipalidad Dagua, 14 April 1968, *Singer B* 6122 (F)
- candidum* Singer, 1989a: 14  
 HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracaraí, km 45, 10 August 1978, *Singer B* 11372 (INPA)
- cheilocystidiatum* Singer, 1970a: 68  
 HOLOTYPE: Colombia. Valle: between Cisneros and Córdoba, 23 April 1968, *Singer B* 6300 (F)
- collybiomorphum* Singer, 1978b: 155  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B* 9662 (INPA)
- costaricense* Singer, 1989a: 15  
 HOLOTYPE: Costa Rica. Heredia, above San José de la Montaña, 29 June 1981, *Singer B* 12520 (F)
- cotopatae* Singer, 1964e: 87  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 2 February 1956, *Singer B* 821 (BAFC)
- daguense* Singer, 1989a: 15  
 HOLOTYPE: Colombia. Valle: Corr. El Vergel, 14 April 1960, *Singer B* 6123 (F)
- dennisi* Singer, 1964e: 81  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 9 February 1956, *Singer B* 1056 (BAFC)
- depauperatum* Singer, 1951b: 601  
 HOLOTYPE: Argentina. Tucumán: Santa Rosa, Along Río de las Pavas, 17 December 1950, *Singer T* 1067 (LIL)
- elasticum* Singer, 1951b: 599  
 HOLOTYPE: Argentina. Tucumán: Anta Muerta, 19 December 1949, *Singer T* 786 (LIL)
- elasticum* ssp. *amazonicum* Singer, 1964e: 63  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 14 March 1956, *Singer B* 1978 (BAFC)
- flammeum* Singer, 1989a: 16  
 HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracaraí, km 106, 4 April 1978, *Singer B* 10916 (INPA)

- hypolepargum* Singer, 1978h: 9  
 HOLOTYPE: Ecuador. Tungurahua: Río Verde,  
 28 April 1973, *Singer B* 7162 (F)
- infundibuliforme* Singer, 1964e: 79  
 HOLOTYPE: Brazil. Rio Grande do Sul: Guaporé, Guajarámirim, 10 March 1956, *Singer B* 1803 (BAFC)
- josserandii* Singer, 1961b: 49  
 HOLOTYPE: Netherlands. Terschelling, 16 July  
 1955, *Jansen s.n.* (L)
- laccarioides* Singer, 1989a: 16  
 HOLOTYPE: Brazil. Amazonas: Manaus, 12  
 June 1977, *Singer B* 9936 (INPA)
- leptosarcum* Singer, 1964e: 61  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 6  
 March 1956, *Singer B* 1602 (BAFC)
- majus* Singer, 1964e: 64  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, 5  
 April 1956, *Singer B* 2495 (BAFC)
- marchantiae* Singer & Cléménçon, 1971b: 119  
 HOLOTYPE: Switzerland. Valais: near the  
 Borgne de Ferpècle, 11 July 1971, *Singer C*  
 5445 (F)
- mariae* Singer, 1989a: 17  
 HOLOTYPE: Brazil. Amazonas: Manaus, 25  
 April 1978, *Souza [Singer no.] B* 10997  
 (INPA)
- melanomphax* Singer, 1951b: 602  
 HOLOTYPE: Argentina. Tucumán: near Los So-  
 sas, 1 January 1951, *Singer T* 1094 (LIL)
- melleum* Singer & Cléménçon, 1971b: 120  
 HOLOTYPE: Switzerland. Valais: near the  
 Borgne de Ferpècle, 11 July 1971, *Singer C*  
 5453 (F)
- minutissimum* Singer, 1969a: 52  
 HOLOTYPE: Chile. Llanquihué: Puella, 22  
 March 1959, *Singer M* 1998 (BAFC)
- moseri* Singer, 1983a: 277  
 HOLOTYPE: Austria. Vienna: Prater, 2 October  
 1904, *von Höhnel* (FH)
- pantoxanthum* Singer, 1989a: 17  
 HOLOTYPE: Brazil. Amazonas: 30 km N of  
 Manaus, 25 May 1977, *Singer B* 9713 (INPA)
- schusteri* Singer, 1972a: 178  
 HOLOTYPE: Antarctica. Anvers Island, Norsel  
 Point, February 1969, *Schuster 69-3031* (BPI)
- subpallidum* Singer, 1959b: 378  
 HOLOTYPE: Argentina. Tucumán: Río de los  
 Sosas, 1 March 1956, *Singer T* 2248 (LIL)
- sucrense* Singer, 1989a: 18  
 HOLOTYPE: Venezuela. Sucre, 9 km N of road  
 Rincon-Carupano-El Palar, 6 July 1972, *Du-  
 mont and others VE* 4018 (NY)
- theophilii* Singer, 1973d: 14  
 HOLOTYPE: Mexico. Veracruz, 7 km S of Es-  
 tación Biológica de las Tuxtlas, 21 June 1969,  
*Singer M* 8121 (F)
- xanthodictyon* Singer, 1964e: 65  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7  
 April 1956, *Singer B* 2546 (BAFC)
- yalae* Singer, 1989a: 18  
 HOLOTYPE: Argentina. Jujuy: Lagunas de  
 Yala, 11 February 1965, *Singer T* 4011 (F)
- GLOEOCANTHARELLUS** Singer, 1945c: 140  
 Type species: *Cantharellus purpurascens* Hes-  
 ler
- GLOIOCEPHALA**
- allomorpha* Singer, 1976a: 290  
 HOLOTYPE: Colombia. Valle: Corr. El Vergel,  
 Municip. Dagua, km 25 N of Dagua road, 28  
 April 1968, *Singer B* 6451 (F)
- alvaradoi* Singer, 1976a: 300  
 HOLOTYPE: Argentina. Jujuy: Lagunas de  
 Yala, 9 February 1965, *Singer T* 3909 (F)
- anastomosans* Singer, 1976a: 303  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 13  
 May 1973, *Singer B* 7392 (F)
- capillata* Singer, 1976a: 285  
 HOLOTYPE: Mexico. Chiapas: between Finca  
 Sospiro and El Pozo, 4 August 1969, *Singer*  
*M* 8979A (F)
- cinnamomea* Singer, 1976a: 289  
 HOLOTYPE: Mexico. Chiapas: between Finca  
 Sospiro and El Pozo, 4 August 1969, *Singer*  
*M* 8971 (F)
- confusa* Singer, 1960f: 269, 278  
 HOLOTYPE: Brazil. Río de Janeiro: Angra dos  
 Reis, 1 October 1952, *Singer B* 426 (F)
- culmicola* Singer, 1989a: 66  
 HOLOTYPE: Ecuador. Pastaza: near road Am-  
 bato-Puyo, 24 July 1975, *Dumont EC* 1424  
 (NY)
- inobasis* Singer, 1960f: 263, 277  
 HOLOTYPE: Bolivia. Pando: Madre de Dios,  
 Santa Teresa, 21 July 1956, *Singer B* 2296  
 (LIL)
- lamellosa* Singer, 1960f: 265, 278  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Car-  
 men Pampa, 26 February 1956, *Singer B*  
 15285 (LIL)
- longicrinita* Singer, 1976a: 286  
 HOLOTYPE: Colombia. Valle: Cali, Buenaven-  
 tura, San Joaquín, 22 April 1968, *Singer B*  
 6282 (F)
- longifimbriata* Singer, 1960f: 266, 278  
 HOLOTYPE: Argentina. Tucumán: Sierra de  
 San Javier, Ciudad Universitaria towards Es-  
 tancia San Javier, 9 January 1960, *Singer T*  
 3520 (LIL)

*longisperma* Singer, 1976a: 291

HOLOTYPE: Brazil. São Paulo: Serra de Canareira, Reserva Forestal, 17 July 1964, Singer B 4103 (F)

*lutea* Singer, 1976a: 301

HOLOTYPE: Ecuador. Napo: Sacha 4 (Sacha Norte), 10 May 1973, Singer B 7333 (F)

*mycenoides* Singer, 1969a: 148

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 22 July 1967, Singer M 7161 (SGO)

*palmarum* Singer, 1960f: 264, 277

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 8 March 1956, Singer B 1744 (LIL)

*podocarporum* Singer, 1976a: 294

HOLOTYPE: Argentina. Jujuy: 15 km NE of Yala, 20 February 1966, Singer T 5300 (F)

*quitensis* Singer, 1976a: 299

HOLOTYPE: Ecuador. Pichincha: Quito, Querbrada de Miraflores, 24 April 1973, Singer B 7113 (F)

*religiosa* Singer, 1976a: 295

HOLOTYPE: Mexico. Dto. Federal, road from San Pedro de Naxapa to the Paso de Colon, 16 July 1969, Singer MA-10 (F)

*sessilis* Singer, 1976a: 303

HOLOTYPE: Ecuador. Pichincha: Quito, Querbrada de Miraflores, 24 April 1973, Singer B 7119 (F)

*spathularia* Singer, 1960f: 271, 279

HOLOTYPE: Argentina. Salta: Oran, 3-4 km W of Río Blanco Bridge, North of Oran, 17 March 1955, Singer T 2308A (LIL)

## GOMPHIDIUS

*helveticus* Singer, 1950d: 198

Type information: Switzerland. Vri Andermatt, August 1950, Singer

*leptocystis* Singer, 1946g: 148

Type information: Canada. Vancouver (MICH). [Published in 1948].

*ochraceous* ssp. *muscigenus* Singer, 1946g: 149

No type information. [Published in 1948]. This subspecies was also published in Singer, 1949a: 472.

*ochraceous* ssp. *muscigenus* Singer, 1949a: 472

No type information. This subspecies was also published in Singer, 1946g: 149.

*rutilus* ssp. *alabamensis* Earle ex Singer, 1946a: 535

subsp. novum for *Gomphidius alabamensis* Earle n. subnudum

*septentrionalis* Singer, 1946g: 149

No type information. [Published in 1948].

*smithii* Singer, 1946g: 150

No type information. [Published in 1948].

*smithii* var. *xanthobasis* Singer, 1946g: 150

No type information. [Published in 1948].

*subroseus* var. *homobasis* Singer, 1946g: 150

No type information. [Published in 1948].

*vinicolor* ssp. *californicus* Singer, 1946g: 149

No type information. [Published in 1948].

## GOMPHUS

*mamorensis* Singer, 1983f: 17

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 6 March 1956, Singer B 1614 (F)

*nothofagorum* Singer, 1967b: 69

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1967, Singer & Hernández [Singer no.] M 6776 (SAM)

## GRIFOLA

*gargal* Singer, 1969a: 381

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 15 km NE of Mirador, 6 May 1967, Singer M 6934 (SGO)

## GYMNOMYCES

*alveolatus* Singer & Smith, 1960h: 51

HOLOTYPE: USA. Oregon: N of Corvallis, 23 May 1929, Zeller 6862 (NY)

*cinnamomeus* Singer & Smith, 1960h: 51

HOLOTYPE: USA. California: Berkeley, 7 January 1905, Gardner s.n. (NY)

*compactus* Singer & Smith, 1960h: 53

HOLOTYPE: USA. Oregon: near Sandy, 17 June 1937, Zeller 8286 (NY)

*ferruginascens* Singer & Smith, 1960h: 54

HOLOTYPE: USA. Idaho: McCall, 18 August 1958, Smith 60269 (MICH)

*parksii* Singer & Smith, 1960h: 55

HOLOTYPE: USA. California: near Los Gatos, no date, Parks 477 (Z-27) (NY)

*roseomaculatus* Singer & Smith, 1960h: 50

HOLOTYPE: USA. California: Saratoga, March 1919, Parks Z-19 (NY)

## GYMNOPILUS

*chilensis* Singer, 1969a: 303

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6679 (SGO)

*excentriciformis* Singer, 1969a: 302

HOLOTYPE: Chile. Llanquihué: 10 km N of Colaco, 9 May 1967, Singer M 6805 (SGO)

*humicola* Harding ex Singer, 1961b: 76

HOLOTYPE: USA. Michigan: Cheboygan County, east shore of Burt Lake, 3 July 1953, s.n. (F)

## GYMNOPILUS

- microlopus* Singer, 1978h: 64  
HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B* 7474 (F)
- pachycystis* Singer, 1989a: 116  
HOLOTYPE: Costa Rica. Alajuela: San Ramon, August 1981, *Gómez* 17916 (F)
- pratensis* Singer in Singer & Digilio, 1951e: 371  
HOLOTYPE: Argentina. Salta: Campo Quijano, 23 March 1951, *Singer T* 1415 (LIL). [Published in 1952].
- radicicola* Singer, 1978h: 65  
HOLOTYPE: Ecuador. Napo: Lago Agrio, 9 May 1973, *Singer B* 7318 (F)
- submarasmoides* Singer, 1978h: 66  
HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B* 7229 (F)

## GYRODON

- adisanus* Singer, 1989a: 123  
HOLOTYPE: Brazil. Amazonas: Ilha Marchantaria, 18 March 1983, *Singer and others* [*Singer no. J B* 12434 (F)]
- exiguus* Singer & Digilio, 1960i: 154  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B* 1216 (LIL)
- monticola* Singer, 1957c: 256  
HOLOTYPE: Argentina. Tucumán: Tafí del Valle, La Quebradita, 10 March 1950, *Singer T* 928 (LIL)
- proximus* Singer, 1945b: 244  
HOLOTYPE: USA. Florida: Alachua County, Devil's Millhopper, 29 June 1943, *Singer F* 2425 (FH)
- proximus f. minor* Singer & Gómez, 1990a: 53  
HOLOTYPE: Costa Rica. Puntarenas: San Vito, Wilson Botanical Garden, August 1986, *Gómez* 25144 (F)
- sibiricus* Singer, 1938d: 174  
Type information: USSR. Altai Mtns.: Lake Telezkoje, September, *Singer & Vasilieva* (LE?)

## GYROPORUS

- phaeocyanescens* Singer & Ivory, 1983f: 37  
HOLOTYPE: Belize. Augustine: Forest Station, 4 November 1976, *Ivory* S/358 (F)

## HEBELOMA

- gomezii* Singer, 1983f: 188  
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer & Gómez* [*Singer no. J B* 12445 (F)]
- moseri* Singer, 1969a: 287  
HOLOTYPE: Argentina. Neuquén: Quetrihué, 15 April 1963, *Moser s. n.* (BAFC)

## HEIMIOMYCES

- Singer, 1942c: 127  
Type species: *Agaricus (Collybia) rheicolor* Berk. & Curt.
- brunneipes* Singer in Singer & Digilio, 1951e: 242  
HOLOTYPE: Argentina. Tucumán: Las Lenguas, 20 February 1951, *Singer T* 1309 (LIL). [Published in 1952].
- pruinatipes* Singer in Singer & Digilio, 1951e: 243  
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T* 1129 (LIL). [Published in 1952].

## HEMIMYCENA

- amazonica* Singer, 1989a: 67  
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B* 10887 (INPA)
- angusta* Singer, 1961b: 60  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 28 January 1956, *Singer B* 631 (LIL)
- crispuliformis* Singer, 1973d: 35  
HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 20 April 1968, *Singer B* 6263 (F)
- depauperata* Singer, 1943a: 122  
Type information: USSR. Altai Mtns. Central, July-August.
- diplocystis* Singer, 1989a: 68  
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracará, km 45, 10 August 1978, *Singer B* 11365 (INPA)
- drepanocladia* Singer, 1943a: 123  
Type information: USSR. Altai Mtns. Central.
- epibiotica* Singer, 1961b: 61  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 13 February 1956, *Singer B* 1146 (LIL)
- epibrya* Singer, 1943a: 121  
Type information: USSR. Altai Mtns. Central, August.
- guanacastensis* Singer, 1989a: 68  
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B* 12464 (F)
- herrerae* Singer, 1973d: 36  
HOLOTYPE: Mexico. Dto. Federal, near San Pedro, 16 July 1969, *Singer & Herrera s.n.* (F)
- longicystis* Singer, 1961b: 61  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 30 January 1956, *Singer B* 707 (LIL)
- nothofagi* Singer, 1969a: 105  
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M* 3104 (BAFC)
- patagonica* Singer, 1969a: 106  
HOLOTYPE: Chile. Santiago: Cerro Robles, 19 June 1967, *Singer M* 6988 (SGO)

- pleurotiformis* Singer, 1989a: 69  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B* 9911 (INPA)
- pseudoconidiophora* Singer, 1938a: 196  
 Type information: USSR. Altai Mtns.: Kurai, July, *Singer & Vasilieva* (LE?)
- subtropicalis* Singer, 1959b: 381  
 HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 17 February 1955, *Singer T* 2185 (LIL)
- truncicola* Singer, 1961b: 62  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 12 January 1957, *Singer T* 2872 (LIL)

**HERICIUM**

- caucasicum* Singer, 1929b: 77  
 Type information: USSR. Caucasus.

**HIATULA**

- melanoloma* Singer, 1938e: 12  
 Type information: USSR. Leningrad, 1935, *Vasilieva* (LE?)

**HIATULOPSIS** Singer & Grinling, 1967c: 364

- Type species: *Lepiota amara* Beeli

- aureoflava* Singer, 1989a: 98  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 28 February 1978, *Singer B* 10733 (INPA)

**HOHENBUEHELIA**

- abietina* Singer & Kuthan, 1980a: 61  
 HOLOTYPE: Czechoslovakia. Moravia: Beskydy, Nature preserve Salajka near Bila., 21 July 1974, *Kuthan & Singer* [Singer no.] C 5626 (F)
- amazonica* Singer, 1989a: 38  
 HOLOTYPE: Brazil. Amazonas: Manaus, 27 May 1977, *Singer B* 9727 (F)
- bullulifera* Singer in Singer & Digilio, 1951e: 119  
 HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T* 1136a (LIL). [Published in 1952].

- calongei* Singer, 1973d: 30  
 HOLOTYPE: Colombia. Valle: Dagua, 14 April 1968, *Singer B* 6116a (F)

- campinaranae* Singer, 1989a: 38  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1978, *Singer B* 11327 (INPA)

- culmicola* Singer, 1989a: 39  
 HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 25 July 1960, *Singer B* 3503d (BAFC)
- delasotae* Singer, 1989a: 39  
 HOLOTYPE: Argentina. Tucumán: Quebrada de los Sosas, 18 December 1948, *Singer & Digilio* [Singer no.] T 16 (LIL). Deposited as *H. angustata* (Berk.) Singer, see *Singer & Digilio*, Lilloa 25: 110. 1953.
- dimorphocystis* Singer ex. Singer, 1969a: 63  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 4 May 1967, *Singer M* 6880 (SGO)
- espeletiae* Singer, 1989a: 40  
 HOLOTYPE: Colombia. Tolima: Santa Isabel, Valle Río Totarito, 6 February 1980, *Boekhout* 589 (MEDEL)
- hydrogeton* Singer, 1989a: 40  
 HOLOTYPE: Brazil. Amazonas: Ilha Marchantaria, 1 July 1981, *Singer B* 12213 (F)
- izonetae* Singer, 1989a: 41  
 HOLOTYPE: Brazil. Amazonas: Igarap do Tarumazinho, 13 March 1983, *Singer B* 12424 (F)
- nigra* var. *microspora* Singer, 1955a: 769  
 HOLOTYPE: Panama. Zona Canalis: Corund, 13 August 1952, *Martin & Welden* 8353 (F, IA)
- patagonica* Singer ex. Singer, 1969a: 61  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, between Laguna Frías and Paso Perez Rosales, 4 May 1961, *Gamundí* (BAFC)
- pergelatinosa* Singer, 1978h: 19, 21  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 6116 (F)
- pycnophylli* Singer, 1955a: 770  
 HOLOTYPE: Argentina. Jujuy: Tilcara, 23 February 1953, *Sleumor* (F)
- recedens* Singer & Kuthan, 1980a: 66  
 HOLOTYPE: Mexico. Dto. Federal: between San Pedro de Nexpa and Paso de Corté, 16 July 1969, *Singer MA* 0013 (F)
- spegazzinii* Singer ex. Singer, 1969a: 58  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, above Puerto Manzano, 11 April 1963, *Singer M* 3378 (BAFC). Invalidly published in *Sydiowia* 8: 117. 1954.
- tropicalis* Singer, 1989a: 42  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B* 10897 (INPA)

**HYBOGASTER** Singer, 1964a: 13

- Type species: *Hybogaster giganteus* Singer  
*giganteus* Singer, 1964a: 13  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, between Unión and Mirador, 29 March 1963, *Singer M* 3229 (BAFC)

**HYDROPS**

- africanus* Singer, 1946g: 127  
 HOLOTYPE: Liberia. Du River, Firestone No. 3, 27 July 1926, *Linder* 130 (FH). [Published in 1948].
- albopubescens* Singer, 1982e: 63  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, at Estacao Experimental de Silvicultura Tropical, 11 July 1977, *Singer* B 10085 (F)
- albus* Singer, 1978h: 39  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 9 May 1973, *Singer* B 7330 (F)
- altus* Singer, 1982e: 74  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 October 1977, *Singer* B 10190 (F)
- amazonicus* Singer, 1973d: 49  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 March 1956, *Singer* B 1639 (BAFC)
- angustispermus* Singer, 1982e: 59  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer* B 2515 (F)
- beniensis* Singer, 1982e: 17  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 12 March 1956, *Singer* B 1910 (LIL)
- bisporus* Singer, 1982e: 96  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer* B 9909 (INPA)
- boliviensis* Singer, 1973d: 50  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 1 February 1956, *Singer* B 802 (BAFC)
- brunneobasis* Singer, 1978h: 33  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer* B 7381 (F)
- caespitosus* Singer, 1982e: 32  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 April 1977, *Singer* B 9625 (INPA)
- californicus* Singer, 1989a: 85  
 HOLOTYPE: USA. California: Marin County, 19 November 1981, *Calhoun* 81-2590 (F)
- camaragibensis* Singer, 1973d: 51  
 HOLOTYPE: Brazil. Pernambuco: Camaragibe, 7 July 1960, *Singer* B 3298 (BAFC)
- campinaranae* var. *adnatifolius* Singer, 1982e: 89  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 21 March 1980, *Singer* B 12058 (F)
- campinaranae* var. *campinaranae* Singer, 1982e: 88  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 21 March 1980, *Singer* B 12056 (F)
- cavipes* var. *murinialbus* Singer, 1982e: 45  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 July 1977, *Singer* B 10045 (INPA)
- chiriquiensis* Singer, 1982e: 68  
 HOLOTYPE: Panama. Chiriquí: Cerro Respingo, 6 km NW of Cerro Punta, 2 July 1975, *Dumont and others PA-1805* (NY)
- chlorinodorus* Singer, 1982e: 25  
 HOLOTYPE: Brazil. Amazonas: Mata Ducke, N of Manaus, 1 November 1977, *Freire* [*Singer* no.] B 10254 (F)
- citrinus* Singer, 1978h: 34  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 16 May 1973, *Singer* B 7492 (F)
- confertifolius* Singer, 1982e: 50  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 23 July 1978, *Singer* B 11338 (INPA)
- corneri* Singer, 1982e: 86  
 HOLOTYPE: Brazil. Amazonas: 25 km N of Manaus, Reserva Ducke, 28 June 1978, *Singer* B 11251 (INPA)
- cystidiosus* Singer, 1989a: 86  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer* B 10089 (INPA)
- decipiens* Singer, 1982e: 115  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer* B 10094 (INPA)
- depauperatus* Singer, 1973d: 51  
 HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer* B 4263 (BAFC)
- dissiliens* Singer, 1982e: 73  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer* B 10652 (INPA)
- dubius* Singer, 1982e: 58  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 30 September 1977, *Singer* B 10153 (F)
- dusenii* ssp. *nivifugus* Singer, 1973d: 52  
 HOLOTYPE: Argentina. Buenos Aires: near La Plata, Punta Lara, May 1966, *Singer* S 734 (BAFC)
- eitenianus* Singer, 1973d: 52  
 HOLOTYPE: Brazil. Amazonas, Manaus, no date, *Eiten and others* 5205 (NY)
- etenianus* var. *obscurus* Singer, 1982e: 105  
 HOLOTYPE: Brazil. Amazonas: near Punta Negra, left side of Río Negro, 15 January 1978, *M. & R. Singer* [*Singer* no.] B 10529 (INPA)
- excentricus* Singer, 1982e: 49  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ivon, 3 April 1956, *Singer* B 2449 (F)
- fimbriatus* Singer, 1982e: 81  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer* B 9661 (INPA)
- fluvialis* var. *aporpus* Singer, 1982e: 34  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 5 May 1980, *Singer* B 12134-12134a (F)

- fluvialis* var. *fluvialis* Singer, 1982e: 33  
 HOLOTYPE: Brazil. Amazonas: Igarap do Tarumãzinho, 19 March 1980, *Singer B* 12047 (F)
- fragilior* Singer, 1982e: 67  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B* 9677 (INPA)
- fraterniger* Singer, 1946f: 227  
 HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, *Singer F* 643 (FH)
- fuscoalbus* Singer, 1982e: 91  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 30 December 1977, *Singer B* 10379 (INPA)
- fuscogriseus* Singer, 1989a: 86  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 110, 4 April 1978, *Singer B* 10925 (INPA)
- fuscomycelinus* Singer, 1982e: 112  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1965, *Singer T* 3941 (F)
- gerronematooides* Singer, 1969a: 143  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 1/4 May 1967, *Singer M* 6688 (SGO)
- glabripes* Singer, 1969a: 144  
 HOLOTYPE: Chile. Valparaíso: near Quintero, 27 June 1967, *Singer & Lazo M* 7011/QUI-5 (SGO)
- gomeyii* Singer, 1982e: 119  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B* 12472 (F)
- gracilis* Singer, 1982e: 117  
 HOLOTYPE: Brazil. Amazonas: Irarap do Tarumãzinho, 26 March 1980, *Singer B* 12079 (F)
- guaporensis* Singer, 1982e: 106  
 HOLOTYPE: Brazil. Rondônia: Guajará mirim, 10 March 1956, *Singer B* 1786 (F)
- heterocystis* Singer, 1973d: 53  
 HOLOTYPE: Argentina. Catamarca, 2 March 1952, *Singer T* 1914 (MICH, LIL)
- humilior* Singer, 1982e: 83  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 31 October 1977, *Singer B* 10245 (F)
- hydroporoides* Singer, 1982e: 71  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, *Singer B* 6204 (F)
- hyrophilus* Singer, 1973d: 54  
 HOLOTYPE: Colombia. Valle: Anchicayá, 26 April 1968, *Singer B* 6396 (F)
- hyperythrus* Singer, 1982e: 75  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B* 9657 (F)
- hypopolius* Singer, 1982e: 64  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B* 9859 (INPA)
- immutabilis* Singer, 1982e: 102  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 20 December 1977, *Singer B* 10374 (INPA)
- indicus* Singer, 1989a: 87  
 HOLOTYPE: India. Punjab: near Patiala, no date, *Saini* 19 (F)
- lacuster* Singer, 1978h: 36  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 17 May 1973, *Singer* 7532 (F)
- lacuster* var. *riparius* Singer, 1982e: 79  
 HOLOTYPE: Brazil. Amazonas: Igarap do Tarumãzinho, 16 April 1980, *Singer B* 12103 (F)
- levis* Singer, 1982e: 72  
 HOLOTYPE: Brazil. Amazonas: Manaus, 22 December 1977, Araujo [Singer no.] *B* 10388 (INPA)
- lipocystis* Singer, 1969a: 141  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Arroyo Frutillas, 9 April 1963, *Singer M* 3349 (BAFC)
- lipocystis* var. *bisporis* Singer, 1969a: 142  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Santa María, 30 April 1964, *Singer M* 3705 (BAFC)
- lutescentipes* Singer, 1982e: 35  
 HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 25 km N of Manaus, 7 January 1979, *Singer B* 11478 (INPA)
- maculatipes* Singer, 1982e: 82  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 10 August 1978, *Singer B* 11362 (INPA)
- marasmiooides* Singer, 1973d: 54  
 HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer B* 3628 (BAFC)
- martensi* Singer, 1989a: 87  
 HOLOTYPE: China. Yunnan: Mt. Yun Shan, no date, *Handel Mazzetti* II.207 (WU)
- megalobasidium* Singer, 1982e: 83  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 June 1977, *Singer B* 10013 (F)
- mesites* Singer, 1982e: 98  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 14 April 1964, *Singer B* 4079a (F)
- microcephalus* Singer, 1982e: 80  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 28 February 1978, *Singer B* 10718 (INPA)
- microsporus* Singer, 1969a: 142  
 HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 16 April 1965, *Singer M* 5011 (BAFC)

- montanus* Singer, 1982e: 103  
 HOLOTYPE: Argentina. Tucumán: Taff del Valle, Quebrada del Mastil, 17 February 1965, Singer T 4082 (F)
- mutabilis* Singer, 1978h: 36  
 HOLOTYPE: Brazil. Guajará mirim, 10 March 1956, Singer B 1781 (F)
- mycenoides* var. *minor* Singer, 1982e: 100  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, Singer B 10880 (INPA)
- mycenoides* var. *pusillus* Singer, 1982e: 100  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, Singer B 10637 (INPA)
- nanus* Singer, 1982e: 42  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 17 May 1977, Singer B 9642 (INPA)
- nigromarginatus* Singer, 1982e: 60  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 21 March 1980, Singer B 12063 (F)
- occidentalis* Singer, 1982e: 100  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, Singer B 6217 (F)
- omphaliniformis* Singer, 1973d: 55  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 19 April 1968, Singer B 6240 (F)
- papillatus* Singer, 1973d: 56  
 HOLOTYPE: USA. Florida: Alachua County, 20 July 1943, Singer F 2857 (F)
- phyllogenus* var. *bahiensis* Singer, 1982e: 93  
 HOLOTYPE: Brazil. Bahia: Itabuna, 5 June 1978, Singer B 11085 (INPA)
- phyllogenus* var. *phyllogenus* Singer, 1982e: 92  
 HOLOTYPE: Brazil. Amazonas: Manaus, 7 February 1978, Singer B 10609 (INPA)
- pinetorum* Singer, 1973d: 57  
 HOLOTYPE: USA. Florida: Miami, 26 October 1942, Singer F 1290 (F)
- platensis* Singer, 1973d: 58  
 HOLOTYPE: Argentina. Buenos Aires: Punta Lara, 1 May 1966, Singer S 741 (BAFC)
- platycystis* Singer, 1982e: 69  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, Singer B 10230 (INPA)
- pyxidatoides* Singer, 1969a: 140  
 HOLOTYPE: Chile. Valdivia; Cordillera Pelada, 7 May 1965, Singer M 5596 (BAFC)
- recedens* Singer, 1982e: 116  
 HOLOTYPE: Argentina. Tucumán: near Potrerillos, 10 February 1952, Singer T 1819 (F)
- riograndensis* Singer, 1953d: 122  
 HOLOTYPE: Brazil. Río Grande do Sul: Parecíf, 2 November 1951, Singer B 68 (LIL)
- rionegrensis* Singer, 1982e: 70  
 HOLOTYPE: Brazil. Amazonas: Manaus, 11 October 1977, Singer B 10202 (F)
- sabalis* Singer, 1946c: 119  
 Type information: USA. Florida.
- semimarginellus* Singer, 1973d: 59  
 HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, Singer B 4251 (BAFC)
- stenocystis* Singer, 1978h: 38  
 HOLOTYPE: Ecuador. Tungurahua, steep mountainside S of Banos, 29 April 1973, Singer M 7181 (F)
- subcartilagineus* var. *aquosus* Singer, 1982e: 31  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 20 December 1977, Singer B 10369 (INPA)
- subcartilagineus* var. *bisporiger* Singer, 1982e: 29  
 HOLOTYPE: Argentina. Buenos Aires: Santa Catalina, 19 March 1966, Singer S 638 (BAFC)
- subcartilagineus* var. *napoensis* Singer, 1982e: 30  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, Singer B 7470 (F)
- terraefirmae* Singer, 1982e: 90  
 HOLOTYPE: Brazil. Amazonas: 25 km N of Manaus, Reserva Ducke, 6 October 1978, Freire [Singer no.] B 11399 (INPA)
- tucumanus* Singer, 1982e: 18  
 HOLOTYPE: Argentina. Tucumán: Chicligasta, Río Cochuna, 11 February 1952, Singer T 1823 (LIL)
- veraecrucis* Singer, 1973d: 59  
 HOLOTYPE: Mexico. Veracruz: near Montepío, 21 June 1969, Singer M 8102 (F)
- viscidulus* Singer, 1969a: 145  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6703 (SGO)
- xanthosarx* Singer & Grinling, 1967c: 362  
 HOLOTYPE: Zaire. Brazzaville: Fl. Djoué, March 1965, Grinling 50,313 (BAFC)
- xerophilus* Singer, 1973d: 60  
 HOLOTYPE: Argentina. Salta: Gemes, 7 February 1957, Singer T 2971 (BAFC)
- xuthophyllus* Singer, 1973d: 61  
 HOLOTYPE: Argentina. Tucumán: Burruyacú, 19 February 1957, Singer T 2991 (LIL, BAFC)

## HYGROASTER Singer, 1955f: 370

- Type species: *Hygrophorus nodulisperus* Dennis
- albellus* Singer, 1989a: 6  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, Singer & Araujo [Singer no.] B 10874 (INPA)

**HYGROCYBE**

- amazoniensis* Singer, 1989a: 3  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10097* (INPA)
- ammophila* Singer, 1968a: 129  
 HOLOTYPE: Uruguay. Punta del Este, 5 June 1965, *Eskuche [Singer no.] B 4138* (BAFC)
- araucana* Singer, 1969a: 11  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 5 May 1965, *Singer M 5516* (BAFC)
- batistae* Singer, 1965e: 20  
 HOLOTYPE: Brazil. Pernambuco: Recife, no date, *da Silva & Batista s.n.* (LIL)
- blestiana* Singer, 1969a: 18  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapi National Park, Brazo Blest, 23 March 1963, *Singer M 3139* (SGO)
- campinaranae* Singer, 1989a: 4  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 22 May 1978, *Singer B 11022* (INPA)
- chilensis* Singer, 1969a: 18  
 HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1916* (SGO)
- hololeuca* Singer, 1989a: 4  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 17 May 1977, *Singer B 9639* (INPA)
- lactariooides* Singer, 1989a: 5  
 HOLOTYPE: Bolivia. El Beni: Guayaramerín, 16 March 1956, *Singer B 2012* (LIL)
- lateritiorosella* Singer, 1969a: 19  
 HOLOTYPE: Chile. Colchagua: Pumanque, Lazo PU-54 (SGO)
- megistospora* Singer, 1989a: 5  
 HOLOTYPE: Brazil. Goiás: Aguas Emendadas Res., 21 January 1978, *Singer B 10560* (INPA)
- mexicana* Singer, 1958d: 225  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 12 July 1957, *Singer M 1531* (LIL)
- mutabilis* Singer, 1989a: 5  
 HOLOTYPE: Brazil. Amazonas: Laguna Janyuaryauri, 21 December 1978, *Singer B 11465* (INPA)
- octayensis* Singer, 1969a: 15  
 HOLOTYPE: Chile. Osorno: Puerto Octay, 15 September 1967, *Singer M 7538* (SGO)
- paraibensis* Singer, 1965e: 19  
 HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B 3320* (LIL)
- proteus* Singer, 1969a: 14  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 30 April 1967, *Singer M 6560* (SGO)
- pseudoamylospora* Singer, 1989a: 6  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7190* (F)
- rhodoleuca* Singer, 1973d: 6  
 HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B 3345* (LIL, BAFC)
- rubroflava* Singer, 1973d: 6  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 22 April 1968, *Singer B 6276* (F)
- streptopus* Singer & Kuthan, 1976g: 7  
 HOLOTYPE: Czechoslovakia. Slovakia: Cadca, Raková, 27 July 1974, *Kuthan & Singer [Singer no.] C 5652* (F)
- striatella* Singer, 1969a: 20  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6732* (SGO)
- subheteromorpha* Singer, 1969a: 12  
 HOLOTYPE: Chile. Concepcion: Boca del Bío-Bío, 17 November 1967, *Singer M 7818* (SGO)
- swanetica* Singer, 1931: 522  
 Type information: USSR. Caucasus: Khä.
- transformabilis* Singer, 1973d: 5  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 20 December 1958, *Singer T 3149* (F)
- veselskyi* Singer & Kuthan, 1976g: 9  
 HOLOTYPE: Czechoslovakia. Moravia: Ostrava, Halde Lucina, 19 July 1974, *Kuthan, Singer & Veselsky [Singer no.] C 5575* (F)

**HYGROPHOROPSIS**

- aurantiaca* var *nana* Singer, 1946a: 546  
 HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, September 1942, *Singer F 640* (FH)
- panamensis* Singer, 1983f: 28  
 HOLOTYPE: Panama. Chiriquí: near Aguacate, about 7 km NE of El Hato del Volcán, Cerro Punta Road, 4 July 1975, *Dumont & Carpenter [Dumont no.] P 2170* (NY)
- tapinia* Singer, 1946a: 544  
 Type information: USA. Florida: Dade County, Miami, Simpson Park (FH)

**HYGROPHORUS**

- quercuum* Singer, 1973d: 1  
 HOLOTYPE: Colombia. Boyacá: Bosque de La Mercedes, 8 April 1968, *Singer B 6020* (F)

**HYGROTRAMA** Singer, 1958d: 221

- Type species: *Hygrotrama dennisianum* Singer
- albipes* Singer, 1973d: 4  
 HOLOTYPE: Mexico. Veracruz, 7 km S of Montepio, Estación Biológica de las Tuxtlas, 29 July 1969, *Singer M 8734* (F)

*araguense* Singer, 1989a: 2

HOLOTYPE: Venezuela. Aragua: Parque Nacional Henry Pittier, 6 July 1971, *Dumont, Haines & Samuels s.n.* (NY)

*dennisiae* Singer, 1958d: 221

HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 13 July 1957, *Singer M 1553* (LIL)

*leucopus* Singer, 1973d: 3

HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 June 1960, *Singer B 3344* (BAFC)

*tetrasporum* Singer, 1989a: 3

HOLOTYPE: Brazil. Amazonas: Roads Manaus-Caracaraí, km 45, 28 February 1978, *Singer & Araujo B 10714* (INPA)

## HYMENOGASTER

*pulcher* Singer, 1969a: 372

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 20 April 1965, *Singer M 5083* (BAFC)

## HYPSIZYGUS

*Singer*, 1947b: 77

Type species: *Pleurotus tessulatus* (Bull.: Fr.) Gill.

## INOCYBE

*amazoniensis* Singer & Araujo, 1983f: 182

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 21 May 1978, *Singer & Araujo [Singer no.] B 11019* (INPA)

*argentea* Singer, 1931: 535

Type information: USSR. Caucasus: Nakratal.

*bridgesiana* Singer, 1953a: 227

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 11 February 1950, *Singer M 201* (LIL)

*brunnea* f. *insignior* Singer, 1947c: 245

Type information: Spain. Catalonia. Salardú, September, 1934.

*carelica* Singer, 1938e: 16

Type information: USSR. 26 August 1936, *Freindling & Singer* (LE?)

*catalaunica* Singer, 1947c: 245

Type information: Spain. Catalonia, Base de Baricauba, September, 1934 (LE).

*caucasica* Singer, 1937: 236

Type information: USSR. Western Caucasus: Yatyrkarta, between Carices and Hypna, 30 July 1936, *Vasilieva* (LE?)

*cerasphora* Singer, 1953a: 228

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 290* (LIL)

*chilensis* Singer, 1965i: 175

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3196* (BAFC)

*dilutecinnamomea* Singer, 1954b: 127

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Manzano, 18 May 1952, *Singer M 750a* (LIL). Cited with another specimen, type not indicated.

*dissocystis* Singer, 1953a: 231

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 159* (LIL)

*erythrobasis* Singer, 1954b: 127, 128

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Manzano, 18 May 1952, *Singer M 748?* (LIL)

*euthelae* var. *dollfusii* Singer, 1938e: 16

Type information: USSR. (LE?)

*fuscata* Singer, 1953a: 236

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13 February 1950, *Singer M 249* (LIL)

*fuscocinnamomea* Singer, 1953a: 233

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M 306* (LIL)

*geophyllumorpha* Singer, 1953a: 229

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 14 February 1950, *Singer M 272* (LIL)

*gigacystis* Singer, 1953a: 231

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 167* (LIL)

*homomorpha* Singer, 1931: 536

Type information: USSR. Caucasus: Khä.

*langei* var. *maior* Singer, 1936i: 432

Type information: Spain. Catalonia.

*lutescens* Singer, 1953a: 223

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 160* (LIL)

*matrisdei* Singer, 1961a: 112, 113

HOLOTYPE: Bolivia. Pando: Manuripi, 27 March 1956, *Singer B 2285* (LIL)

*mixtiliformis* Singer, 1954b: 129

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 13 May 1952, *Singer M 523* (LIL)

*neotropicalis* Singer, 1983f: 186

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B 12441* (F)

*neuquensis* Singer, 1954b: 130

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 20 May 1952, *Singer M 781* (LIL)

*notodryina* Singer, 1983f: 175

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer [Singer no.] B 12446* (F)

*obscura* var. *subpusio* Singer, 1947c: 232, 233  
Type information: Spain. Catalonia. Riu de Bon-aigua, July 1934.

*paucigibba* Singer, 1965i: 176

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3200* (BAFC)

*plocamophora* Singer, 1983f: 177

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, Gómez & Singer [Singer no.] B 12451 (F)

*pseudohiulca* ssp. *subduriuscula* Singer, 1947c: 232

Type information: Spain. Catalonia: Pyrenees Mts., Salardú, August, 1934.

*retipes* Singer, 1953a: 225

HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano, Cabecera del Lago, 19 February 1950, *Singer M 380* (LIL)

*squarrosoamthystina* Singer, 1938e: 17

Type information: USSR. Leningrad, December 1935, *Singer* (LE?)

*subargentea* Singer, 1938e: 16

Type information: USSR. Leningrad, September 1936, *Singer* (LE?)

*subfibrosooides* Singer, 1953a: 234

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 291* (LIL)

*subfuscocinnamomea* Singer, 1954b: 131

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 16 May 1952, *Singer M 663* (LIL)

*subgeophyllumorpha* Singer, 1954b: 132

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 19 May 1952, *Singer M 764* (LIL)

*subgigacystis* Singer, 1954b: 133

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 16 May 1952, *Singer M 676* (LIL)

*tequendamae* Singer, 1963b: 244

HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 23 July 1960, *Singer B 3500* (BAFC)

## IXOCOMUS

*jacuticus* Singer, 1938c: 40

Type information: USSR. Siberia: Lake Charczarbyt Yacotia, Benois, August 1925, 26 (LE?)

*sibiricus* Singer, 1938c: 46

Type information: USSR. Altai Mtns.: Lake Tellezkoje, July-September 1937, *Singer* & Vasilieva (LE?)

## KROMBHLZIA

*oxydabilis* Singer, 1938g: 18

No type information.

*rotundifoliae* Singer, 1938g: 18

No type information.

**KUEHNEROMYCES** Singer & Smith, 1946d: 504

Type species: *Pholiota mutabilis* Schaeff. : Fr.

*castaneiceps* Singer, 1969a: 281

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6715* (SGO)

*cystidiosus* Singer, 1953a: 221

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 14 February 1950, *Singer M 276* (LIL)

*depauperatus* Singer & Smith, 1946d: 513

HOLOTYPE: USA. Florida: Alachua County, Devil's Millhopper, 25 July 1943, *Singer F 2992* (FH)

*macrosporus* Singer, 1953a: 220

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M 310* (LIL)

*nudus* Singer, 1950c: 194

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Park Aconquija, 12 March 1949, *Singer T 207* (LIL)

*rostratus* Singer & Smith, 1946d: 510

HOLOTYPE: USA. Michigan: Milford, *Smith 15002* (MICH)

*ernalis* f. *amara* Singer & Smith, 1946d: 520

HOLOTYPE: USA. Wyoming: Little Brooklyn Lake, Arenberg 68 (FH?)

## LACCARIA

*altaica* Singer ex Singer, 1967d: 122

HOLOTYPE: USSR. Altai Mtns., 31 July 1936, *Singer A 439* (LE)

*bullulifera* Singer, 1965i: 149

HOLOTYPE: Mexico. Puebla: Popocatepetl: Pineto, W of Paso de Cort, 21 July 1957, *Singer M 1581* (MICH). Also see 1957a: 355.

*calospora* Singer, 1973d: 7

HOLOTYPE: USA. Massachusetts: Hampden County, Southwick, 21 June 1945, *Waban* (FH)

*galerinoides* Singer, 1965i: 147

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3212* (BAFC)

*gomezii* Mueller & Singer, 1988g: 224

HOLOTYPE: Costa Rica. San José: La Chonta, along Interamerican Hwy, km 55, September 1982, *Gómez 18443* (F 1051926)

*laccata* var. *affinis* Singer, 1967d: 110

HOLOTYPE: England. Kent: Bedgebury, 30 October 1960, *Singer C 3118* (BAFC)

- laccata* var. *anglica* Singer, 1967d: 111  
 HOLOTYPE: England. Kent: Bedgebury, 20 October 1960, *Singer C 3119* (BAFC)
- laccata* var. *carbonicola* Singer, 1967d: 110  
 HOLOTYPE: USA. Massachusetts: Blue Hills, 11 November 1943, *Singer s.n.* (FH)
- laccata* var. *chilensis* Singer, 1967d: 109  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 5 May 1965, *Singer M 5514* (BAFC)
- laccata* var. *gibba* Singer, 1969a: 27  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 2 km S of Mirador, 6 May 1967, *Singer M 6738* (SGO)
- laccata* var. *intermedia* Singer, 1977d: 368  
 HOLOTYPE: Czechoslovakia. Moravia: Jeseniky, Reiviz near Jeseník, 24 July 1974, J. & J. Kuthan, R. & M. Singer [*Singer no.*] *C 5664* (F)
- laccata* var. *moelleri* Singer, 1973d: 9  
 HOLOTYPE: Czechoslovakia. Bohemia: Chlum near Treboň, 30 September 1970, *Singer C 5227* (F)
- laccata* var. *subalpina* Singer, 1977d: 365  
 HOLOTYPE: Czechoslovakia. Slovakia: Hohe Tatra, Solisko, 4 September 1974, *Singer C 5870* (F)
- laccata* var. *tatrensis* Singer, 1977d: 367  
 HOLOTYPE: Czechoslovakia. Slovakia: Hohe Tatra, Mala studena dolina, 13 September 1974, *Singer C 6001* (F)
- laccata* var. *vulcanica* Singer ex Veselsky & Singer, 1977d: 362  
 HOLOTYPE: Czechoslovakia. Moravia: Ostrava, Halde Lucina, 30 August 1968, *Veselský s.n.* (F)
- montana* Singer, 1973d: 8  
 HOLOTYPE: Switzerland. Valais: Borgne de Ferrière, 11 July 1971, *Singer 5442* (F)
- proximella* Singer, 1965i: 146  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, March 1963, *Singer M 3274* (BAFC)
- tetraspora* Singer, 1946e: 689  
 HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 11 August 1942, *Singer F 160* (FH)
- tetraspora* var. *aberrans* Singer, 1967d: 116  
 HOLOTYPE: Argentina. Neuquén, Nahuel Huapí National Park, 14 March 1959, *Singer M 1774* (BAFC)
- tetraspora* f. *major* Singer, 1967d: 113  
 Type specimen was not indicated.
- tetraspora* var. *peladae* Singer, 1967d: 117  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, El Mirador, 5 May 1965, *Singer M 5515* (BAFC)
- tetraspora* var. *peullensis* Singer, 1967d: 113  
 HOLOTYPE: Chile. Llanquihué, 22 March 1959, *Singer M 1991* (BAFC)

- tetraspora* var. *scotica* Singer, 1967d: 114  
 HOLOTYPE: Scotland. Lake Katrin, 1 August 1964, *Singer C 4002* (BAFC)
- tetraspora* var. *valdiviensis* Singer, 1967d: 113  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3191* (BAFC)
- tetraspora* var. *xena* Singer, 1967d: 116  
 Type was not indicated.

## LACHNELLA

- australis* Singer, 1966a: 12  
 HOLOTYPE: Argentina. Río Negro, Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes., 24 March 1963, *Singer & Moser [Singer no.] M 3185* (BAFC)
- cecropiae* Singer, 1966a: 13  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ivon, 3 April 1956, *Singer B 24901* (LIL, BAFC)

## LACHNOCLADIUM

- hericiiforme* Singer, 1938e: 4  
 HOLOTYPE: USSR. Vassilkov (LE?)

## LACTARIUS

- allochrous* Singer, 1948c: 41  
 HOLOTYPE: USA. Florida: Dade County, Mattheson Hammock, 16 September 1942, *Singer F 714* (FH)
- alni* Singer, 1961b: 83  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 7 January 1959, *Singer T 3181* (LIL)
- amazonensis* Singer, 1983f: 295  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1977, *Singer & Araujo [Singer no.] B 11315* (INPA)
- annulifer* Singer, 1983f: 290  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 31 January 1980, *Webber, Bradley & Singer [Singer no.] B 12087* (INPA)
- brasiliensis* Singer, 1983f: 308  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 28 February 1978, *St. John, Araujo & Singer [Singer no.] B 10729* (INPA, F)
- campinensis* Singer, 1984a: 438  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 25 April 1980, *Singer B 12124* (INPA)
- caucae* Singer, 1973d: 105  
 HOLOTYPE: Colombia. Cauca: Los Araoz, 12 April 1968, *Singer B 6059* (F)

- costaricensis* Singer, 1983f: 321  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, Gómez & Singer [Singer no.] B 12437 (F)
- gigasporus* Singer, 1983f: 323  
 HOLOTYPE: Brazil. Amazonas: Punta Negra, 24 December 1978, Singer B 11444 (INPA)
- guanacastensis* Singer, 1983f: 325  
 HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, Gómez 18686 (F)
- igapoensis* Singer, 1984a: 441  
 HOLOTYPE: Brazil. Amazonas: Igarap do Tarumázinho, 16 April 1980, Singer B 12099 (INPA)
- laricinus* Singer, 1989a: 132  
 HOLOTYPE: USA. Illinois: McHenry County, 26 August 1984, Singer N 5152 (F)
- mamorensis* Singer, 1983f: 302  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín along the left bank of the Mamore river, 12 March 1956, Singer B 1882 (F, BAFC)
- neotropicus* Singer, 1952b: 299  
 HOLOTYPE: Trinidad. Between Maqueripe trail and N Post, 30 September 1949, Dennis 97 (LIL)
- pallidipes* Singer, 1983f: 299  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1978, Singer B 11328 (INPA)
- panuoides* Singer, 1952b: 300  
 HOLOTYPE: Trinidad. Naranja, 2 October 1949, Dennis 109 (LIL)
- paulensis* Singer, 1983f: 305  
 HOLOTYPE: Brazil. São Paulo: Serra da Cantareira, lowest part of Reserva Florestal, 17 December 1964, Singer B 4093 (F)
- purgatorii* Singer, 1948c: 42  
 Type information: USA. Massachusetts: Norwood, July 1941 (FH)
- quercuum* Singer, 1963b: 249  
 HOLOTYPE: Colombia. Boyacá: Tunja, Arcabuco, Finca del Sr. Luis Antonio Porras, 29 July 1960, Singer B 3611 (BAFC)
- subpallidipes* Singer, 1983f: 298  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 21 May 1978, Singer B 11048 (F)
- subreticulatus* Singer, 1983f: 314  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 5 May 1980, Singer B 12145 (INPA)
- uyedae* Singer, 1984a: 436  
 HOLOTYPE: Japan. Shiga: Otsu, Kokubu, 3 August-10 September 1973, Uyeda (F)
- veraecrucis* Singer, 1973d: 104  
 HOLOTYPE: Mexico. Veracruz: near Montepío, 19 June 1969, Singer M 8025 (F)
- xanthhydrorheus* Singer, 1945d: 426  
 HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 10 August 1942, Singer F 134 (FH)
- LACTOCOLLYBIA** Singer in Singer & Digilio, 1951e: 177. [Published in 1952].  
 Type species: *Collybia lacrimosa* Heim. Also see Schweiz. Zeitschr. f. Pilzk 17: 16, 1939
- aequatorialis* Singer, 1978h: 11  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, Singer B 7402 (F)
- angiospermamarum* Singer, 1948c: 32  
 HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 1 November 1942, Singer (FH)
- aurantiaca* Singer in Singer & Digilio, 1951e: 180  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, Singer T 1358 (LIL). [Published in 1952].
- graminicola* Singer, 1989a: 19  
 HOLOTYPE: Venezuela. Dto Federal: near Río Caracas, 22 July 1972, Dumont and others VE 5632 (NY)
- microspora* Singer, 1961b: 51  
 HOLOTYPE: Argentina. Misiones: Iguazú, Puerto Iguazú, 12 April 1957, Singer M 950 (LIL)
- modesta* Singer, 1970d: 785  
 HOLOTYPE: Chile. Colchagua: Pumanque, Lazo PU-141 (SGO)
- LAMPTEROMYCES** Singer, 1947b: 79  
 Type species: *Pleurotus japonicus* Kawamura
- LECCINUM**
- albellum* f. *epiphaeum* Singer, 1947a: 120  
 Type information: USA. Florida: Alachua County, Gainesville.
- chalybaeum* Singer, 1945i: 799  
 Type information: USA. Florida: Alachua County, Gainesville.
- roseoscabrum* Singer & Williams, 1992c: 726  
 HOLOTYPE: USA. Florida: Sarasota Co., Myakka River State Park, 13 January 1991, Williams & Singer, (Williams No.) 394 (= Singer No. F 3908) (F)
- subglabripes* var. *corrugatoides* Singer, 1945i: 799  
 Type information: USA. Florida: Alachua County, Gainesville.

**LENTINELLUS***calyciformis* Singer, 1969a: 379

HOLOTYPE: Argentina. Río Negro: Laguna Frías, to Paso de las Nubes, 24 March 1963, *Singer M 3187* (BAFC)

**LENTINUS***panziensis* Singer, 1973d: 1

HOLOTYPE: Zaire. Panzi Kivu, March 1956, *Goossens-Fontana 5559* (BR)

*prancei* Singer, 1981c: 152

HOLOTYPE: Brazil. Amazonas: Ilha Marchandaria, 1 July 1981, *Singer B 12205* (F)

*sayanus* Singer in Singer & Digilio, 1951e: 139  
HOLOTYPE: Argentina. Tucumán: Río de las Pavas, October, *Say [Singer no.] T 633* (LIL) [published in 1952]

**LEPIOTA***amyloidea* Singer, 1943a: 171

Type information: USSR. Altai Mtns., Oirotia: Lake Telezkoje, September.

*azurea* Singer in Singer & Digilio, 1951e: 278

HOLOTYPE: Argentina. Salta: Río Piedras, 25 March 1951, *Singer T 1426* (LIL) [published in 1952]

*brunneosperma* Singer in Singer & Digilio, 1951e: 279

HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 2 January 1949, *Singer & Digilio [Singer no.] T 76* (LIL) [published in 1952]

*gomezii* Singer, 1989a: 99

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez 18713* (F)

*izonetae* Singer, 1989a: 100

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Aguiar & Singer [Singer no.] B 10409* (INPA)

*neuquensis* Singer, 1969a: 171

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 22 April 1964, *Singer M 3425* (BAFC)

*patagonica* Singer, 1969a: 172

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 2 May 1964, *Singer M 3847* (BAFC)

*subcortinaria* Singer, 1969a: 171

HOLOTYPE: Argentina. Río Negro: near Santa María, 19 April 1965, *Singer M 5055* (BAFC)

*xanthophylla* Singer, 1973d: 67

HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4249* (BAFC)

**LEPISTA***collybiiformis* Singer, 1989a: 10

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 3 August 1978, *Freire /Singer no. J B 11347* (INPA)

*diemii* Singer, 1954b: 103, 104

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, May 1952, *Singer M 772/M 732?* (LIL)

*fibrosissima* Singer, 1954b: 104

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, May 1952, *Singer M 581/M 771?* (LIL)

*geotropoides* Singer in Singer & Digilio, 1951e: 44

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1363* (LIL) [published in 1952]

*nuda* var. *tucumanensis* Singer in Singer & Digilio, 1951e: 43

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 960* (LIL) [published in 1952]

*rickenii* Singer, 1948c: 26

HOLOTYPE: USSR. Rajajoki, 26 September 1940, *Singer 5-823* (LE)

**LEPTOGLOSSUM***alnetorum* Singer, 1970a: 75

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1966, *Singer T 5084* (F)

*subbryophilum* Singer, 1931: 521

Type information: USSR. Caucasus: Khä.

**LEPTONIA***catalaunica* Singer, 1936i: 428

Type information: Spain. Catalonia: Central Pyrenees, September 1934.

**LEUCOAGARICUS** (Locquin) Singer, 1948c: 35

Type species: *Leucocoprinus macrorhizus* Locquin

*acaciarum* Singer, 1973d: 67

HOLOTYPE: Argentina. Corrientes: Curuzú Cuatiá, 7 November 1965, *M. Singer [Singer no.] S 564* (BAFC)

*atrofibrillosus* Singer, 1969a: 162

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, Río Bonito, 6 April 1963, *Singer M 3291* (BAFC)

*exannulatus* Singer, 1973d: 68

HOLOTYPE: Argentina. Tucumán: Parque Aconquija, 12 March 1949, *Singer T 211* (LIL)

*lilaceus* Singer in Singer & Digilio, 1951e: 274  
 HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 9 April 1949, Antonuccio & Golbach [Singer no.] T 306 (LIL) [published in 1952]

*tricolor* Singer, 1989a: 98  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, Singer B 10868 (INPA)

## LEUCOCOPRINUS

*minutulus* Singer, 1941b: 86  
 Type information: USSR. Krasnodar Krai: Aczipsta, August 1936, Vasilieva (LE?)

## LEUCOINOCYBE

Singer, 1943a: 144  
 Type species: *Mycena lenta* Maire

## LEUCOPAXILLUS

*albissimus* var. *kauffmanii* Singer & Smith, 1943b: 106

HOLOTYPE: USA. Michigan: Ann Arbor, 14 November 1926, Kauffman (MICH)

*albissimus* var. *lentus* f. *olympianus* Singer & Smith, 1943b: 109

HOLOTYPE: USA. Washington: Olympic National Forest, Lake Mills, 26 September 1941, Smith 17257 or 17333 (MICH?)

*albissimus* var. *lentus* f. *fucatus* Singer & Smith, 1943b: 110

HOLOTYPE: USA. Washington: Mt. Baker, Boulder Creek Trail, Mains & Smith [Smith no.] 16593 (MICH)

*albissimus* var. *monticola* Singer & Smith, 1947f: 730

HOLOTYPE: USA. Idaho: Payette Lakes, August 1943, Gruber P-27 (MICH). [Published in 1948].

*gracillimus* Singer & Smith, 1943b: 131

HOLOTYPE: Brazil. Río Grande do Sul (FH)

*patagonicus* Singer, 1954b: 111, 112

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Isla Victoria, 22 May 1952, Singer (LIL)

*sainii* Singer, 1989a: 19

HOLOTYPE: India. Himachal Pradesh: Narkanda, 9 August 1979, Atri PUN 328 (F)

*septentrionalis* Singer & Smith, 1947f: 726

HOLOTYPE: USA. Oregon: Mt. Hood National Forest, Bear Springs, Gruber [Smith no.] 24982 (MICH). [Published in 1948].

## LIMACELLA

*grisea* Singer, 1989a: 92  
 HOLOTYPE: Spain. Catalonia: Prat de Llobregat, 23 October 1979, Singer C 9595 (F)

*oaxacana* Singer, 1957a: 359

Type information: Mexico. Oaxaca, 10-12 July 1957 (MICH). Two specimens were cited: M 1504 and M 1522, but no type was designated.

## LINDEROMYCES

Singer, 1947d: 157  
 Type species: *Paxillus lateritius* Petch

*corneri* Singer, 1961c: 14

HOLOTYPE: Brazil. Rio Grande do Sul: Guanabara, Corcovado, 4 December 1948, Corner 329 (R)

## LULESIA

Singer, 1970a: 16  
 Type species: *Armillariella densifolia* Singer in Singer & Digilio

## LYOPHYLLUM

*langei* Singer, 1969a: 24

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, above Puerto Manzano, 11 April 1963, Singer M 3384 (BAFC)

*nodulosporum* Singer, 1969a: 26

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6708 (SGO)

*semiustum* Singer in Singer & Digilio, 1951e: 17

HOLOTYPE: Argentina. Tucumán: near Tapia, 17 February 1951, Singer T 1230 (LIL) [published in 1952]

*tucumanense* Singer in Singer & Digilio, 1951e: 17

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, Singer T 1146 (LIL) [published in 1952]

## MACOWANITES

*acris* Singer & Smith, 1960h: 86

HOLOTYPE: USA. Idaho: near Stanley, 20 July 1958, Smith 58967 (MICH)

*albidigleba* Singer & Smith, 1960h: 85

HOLOTYPE: USA. Idaho: near McCall, 30 July 1958, Smith 59225 (MICH)

*americanus* Singer & Smith, 1960h: 88

HOLOTYPE: USA. Idaho: Payette National Forest, 16 July 1954, Smith & Bigelow [Smith no.] 45032 (MICH)

*citrinus* Singer & Smith, 1960h: 82

HOLOTYPE: USA. Idaho: near Stanley, 19 July 1958, Smith 58942 (MICH)

*fulvescens* Singer & Smith, 1960h: 84

HOLOTYPE: USA. Idaho: near McCall, 5 August 1958, Smith 59584 (MICH)

- fuscoviolaceus* Singer & Smith, 1960h: 87  
 HOLOTYPE: USA. Idaho: Payette National Forest, 30 July 1958, *Westerdale* [Smith no.] 59261 (MICH)
- mollis* Singer & Smith, 1960h: 79  
 HOLOTYPE: USA. Washington: Mt. Rainier National Park, 23 September 1948, *Sturtz* [Smith no.] 31683 (MICH)
- setchellianus* Singer & Smith, 1960h: 92  
 HOLOTYPE: USA. California: Contra Costa County, no date, *Parks 1440* (NY)

## MACROCYSTIDIA

- africana* Singer, 1973d: 15  
 HOLOTYPE: Zaire. near Panzi Kivu, February 1956, *Goossens-Fontana* 5548 (BR)
- incarnata* Singer, 1973d: 16  
 HOLOTYPE: Zaire. near Binga, 30 May 1928, *Goossens-Fontana s.n.* (BR)
- indica* Saini, Atri & Singer, 1982c: 236  
 HOLOTYPE: India. Himachal Pradesh: Simla, Summer Hill, 21 August 1979, *Atri PUN* 275 (PUN). Isotype: F
- occidentalis* Singer in Singer & Digilio, 1951e: 174  
 HOLOTYPE: Argentina. Tucumán: Marcos Paz, 26 March 1949, *Singer T* 281 (LIL) [published in 1952]

## MACROLEPIOTA Singer, 1946g: 141. [Published in 1948].

Type species: *Lepiota procera* Scop. : Fr.

## MACROMETRULA Donk & Singer, 1948a: 264

Type species: *Agaricus rubriceps* Cooke & Mass.

## MANURIPIA Singer, 1960f: 273, 279

- Type species: *Manuripia bifida* Singer  
*bifida* Singer, 1960f: 273  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 26 March 1956, *Singer B* 2272 (LIL)

## MARASMIELLUS

- albifolius* Singer, 1973a: 155, 322  
 HOLOTYPE: Brazil. Pernambuco: Camaragibe, 6 July 1960, *Singer B* 3132 (F)
- alborunnescens* Singer, 1973a: 121, 322  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M* 8087 (F)

- alneus* Singer, 1973a: 44, 322  
 HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, 9 July 1969, *Singer M* 8378 (F)
- alvaradoi* Singer, 1973a: 277, 322  
 HOLOTYPE: Argentina. Jujuy: 15 km NE of Posta de Lozano, 20 February 1966, *Singer T* 5311 (F)
- alvaradoi* var. *filicinus* Singer, 1975c: 887  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B* 7383 (F)
- amazoniensis* Singer, 1989a: 26  
 HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 18 May 1977, *Singer B* 9643 (INPA). The type information of *Cystolepiota amazonica* Singer (1989a: 99) is identical to this. Based on Singer's unpublished notebook, however, the type of this species might be *Singer B* 9640 from the same location. See note under *C. amazonica* Singer.
- ambiguus* Singer, 1965e: 25  
 HOLOTYPE: Brazil. Amazonas: 30 km from Manaus, 19 July 1960, *Singer B* 3442 (BAFC)
- amphicytis* Singer, 1975c: 880  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, *Singer B* 6289 (F)
- androsaceiformis* Singer, 1973a: 127, 322  
 HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, Sierra Mazateca, 9 July 1969, *Singer M* 8387 (F)
- angustispermus* Singer, 1973a: 54, 323  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 19 June 1969, *Singer M* 8046 (F)
- antarcticus* Singer, 1969a: 73  
 HOLOTYPE: Chile. Osorno: Pilmayquen, 13 May 1967, *Singer M* 6860 (SGO)
- aporposeptus* Singer, 1973a: 201, 323  
 HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B* 4261 (F)
- aqilus* Singer, 1973a: 148, 323  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B* 1635 (F)
- aurantiorufescens* Singer, 1973a: 66, 323  
 HOLOTYPE: Mexico. Chiapas: San Cristobal de las Casas, 24 km SW, 3 August 1969, *Singer M* 8929 (F)
- baeosporoides* Singer, 1989a: 26  
 HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumazinho, 12 March 1980, *Singer B* 12025 (INPA)
- baeosporus* Singer, 1973a: 69, 323  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 25 April 1968, *Singer B* 6366 (F)

- bauhiniae* Singer, 1989a: 27  
 HOLOTYPE: Brazil. Amazonas: Manaus, 24 April 1977, *Singer B* 9801 (INPA)
- berkeleyi* Singer, 1973a: 98, 324  
 Type information: Cuba. Wright 150 (FH). No site data or date given.
- bisporiger* Singer, 1973a: 189, 324  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, Campamento, 24 April 1968, *Singer B* 6353 (F)
- bolivarianus* Singer, 1973a: 257, 324  
 HOLOTYPE: Venezuela. Bolívar: Chimantá Massif, Torontó-tepuí, 23 February 1955, Steyermark & Wurdack 117 (NY)
- brunneomarginatus* Singer, 1973a: 180, 324  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Arroyo Florida, 22 km E of Riberalta, 7 April 1956, *Singer B* 255 (LIL, BAFC)
- californicus* Singer, 1989a: 28  
 HOLOTYPE: USA. California: San Mateo County, 16 July 1975, *Singer N* 7531 (F)
- caracassensis* Dennis ex Singer, 1973a: 100, 324  
 HOLOTYPE: Venezuela. Dto. Federal: Caracas Botanic Garden, 3 July 1958, *Dennis* 1134 (K)
- cinereus* Singer, 1973a: 291, 325  
 HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M* 8143 (F)
- clitocybe* Singer, 1955c: 148  
 HOLOTYPE: Argentina. Tucumán: Quebrada, 25 January 1955, *Singer T* 2082 (LIL). The type information for this species is identical to that of *Neoclitocybe latispora* Singer (1973d: 22), except for the herbarium of deposit.
- cnapopolitanus* Singer, 1973a: 266, 325  
 HOLOTYPE: Colombia. Cauca: Los Araoz, road to Cali-Popayán, 12 April 1968, *Singer B* 6041 (F)
- cocosensis* Singer, 1989a: 27  
 HOLOTYPE: Costa Rica. Cocos Island, trail between Chatham and Wafer Bay, December 1981, *Gómez* 17974 (F)
- columbianus* Singer, 1973a: 204, 325  
 HOLOTYPE: Colombia. Cauca: El Guayabo, road to Cali and Popayán, 29 April 1968, *Idrobo* [Singer no.] B 6797 (F)
- confertifolius* Singer, 1973a: 114, 325  
 HOLOTYPE: Peru. Loreto: Nanay, 1 March 1968, *Vigo s. n.* (F)
- corticum* Singer, 1973a: 297, 325  
 HOLOTYPE: USA. Florida: Highlands County, 20 August 1942, *Singer F* 325 (F)
- corynophloeus* Singer, 1973a: 52, 325  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 29 July 1969, *Singer M* 8745 (F)
- couleu* Singer, 1954b: 118, 119  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Manzano, 18 May 1952, *Singer M* 747 (LIL)
- crinipelloides* Singer, 1973a: 76  
 HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M* 8153 (F). No Latin diagnosis.
- cystidiosus* Singer, 1973a: 177, 326  
 HOLOTYPE: Argentina. Buenos Aires: Santa Catalina, 19 April 1963, *Singer S* 404 (F)
- daguae* Singer, 1973a: 146, 326  
 HOLOTYPE: Colombia. Valle: Corr. El Vergel, Municip. Dagua, Finca La Araucana, 27 April 1968, *Singer B* 6428 (F)
- defibulatus* Singer, 1955a: 772  
 HOLOTYPE: Brazil. Paraná: Paranaguá, 28 September 1952, *Singer B* 401 (F)
- defibulatus* var. *insignis* Singer, 1973a: 195, 326  
 HOLOTYPE: Brazil. Pernambuco: Mata de São João, 16 July 1960, *Singer B* 3420 (F)
- defibulatus* var. *strictior* Singer, 1973a: 192, 326  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 22 April 1968, *Singer B* 6281 (F)
- dendroegrus* Singer, 1973a: 59, 326  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 31 March 1956, *Singer B* 2384 (LIL)
- devenulatus* Singer, 1961b: 57  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 1 April 1956, *Singer B* 2417 (LIL)
- distoriformis* Singer in Singer & Digilio, 1951e: 155  
 HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 13 December 1949, *Singer T* 761 (LIL) [published in 1952]
- dryogeton* Singer, 1973a: 64, 326  
 HOLOTYPE: Mexico. Oaxaca: Sierra Mazateca, San Augustín, 10 July 1969, *Singer M* 8439A (F)
- echinocephalus* Singer, 1955a: 773  
 HOLOTYPE: Panama. Zona Canalís: Barro Colorado Island, *Martin* 4082 (F, IA)
- edite* Singer, 1969a: 75  
 HOLOTYPE: Chile. Llanquihue, 20 March 1959, *Singer M* 1882 (BAFC)
- elongatisporus* Singer, 1973a: 85, 326  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B* 1452 (F)
- enodis* Singer, 1973a: 61, 327  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 14 April 1964, *Singer B* 4074 (F)
- epitrichialis* Singer, 1989a: 28  
 HOLOTYPE: Brazil. Amazonas, Road Manaus-Caracaraí, km 45, 28 February 1978, *Singer B* 10731a (INPA)

- eugeniae* Singer, 1989a: 29  
 HOLOTYPE: Brazil. Amazonas, 36 km N of Manaus, 23 June 1977, *Singer B 10010* (INPA)
- foliicola* Singer in Singer & Digilio, 1951e: 148  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 24 April 1951, *Singer T 1523* (LIL) [published in 1952]. This taxon was renamed as *Mycena neotropicalis* Singer in Singer, 1989a: 82.
- gigantosporus* Singer, 1975c: 881  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T 5222* (F)
- gilvus* var. *bambusearum* Singer, 1973a: 287, 327  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Caratas de San Juan, 28 January 1956, *Singer B 643* (LIL)
- gilvus* var. *chusquearum* Singer, 1973a: 288, 327  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coatapa, 28 January 1956, *Singer B 655* (LIL)
- gilvus* var. *cundinamarcae* Singer, 1975c: 888  
 HOLOTYPE: Colombia. Cundinamarca: near Nazareth, 24 July 1974, *Dumont & Haines* [*Dumont no.*] CO 1917 (F). Isotype: NY
- gilvus* var. *minusculus* Singer, 1973a: 289, 327  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B 745a* (LIL)
- gomezpompae* Singer, 1973a: 161, 327  
 HOLOTYPE: Mexico. Veracruz: 3 km S of Montepío, 22 June 1969, *Singer M 8125* (F)
- griseolobrunneolus* Singer in Singer & Digilio, 1951e: 165  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerte, 16 April 1950, *Singer T 965* (LIL) [published in 1952]
- guzmanii* Singer, 1973a: 218, 327  
 HOLOTYPE: Mexico. Morelos, NW of Tepoztlán, 27 June 1969, *Singer M 8210* (F)
- helminthocystis* Singer, 1989a: 29  
 HOLOTYPE: Brazil. Amazonas: Ponta Negra, 8 April 1978, *Singer B 10963* (INPA)
- hypolissus* Singer, 1989a: 30  
 HOLOTYPE: Brazil. Amazonas, 30 km N of Manaus, 18 January 1978, *Singer B 10540* (INPA)
- icterinus* Singer, 1948c: 30  
 HOLOTYPE: USA. Florida: Dade County, Matheson Hammock, 30 October 1942, *Singer 1350 g* (FH)
- idroboi* Singer, 1973a: 266, 327  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 23 April 1968, *Singer B 6333* (F)
- iguazuensis* Singer, 1973a: 149, 328  
 HOLOTYPE: Argentina. Misiones: Refugio Yaguaré, 15 April 1957, *Singer M 1024* (F)
- illinorum* Singer, 1989a: 31  
 HOLOTYPE: USA. Illinois: Lake County, Highland Park, 6 August 1972, *Singer N 4152* (F)
- incarnatipallens* Singer, 1973a: 137, 328  
 HOLOTYPE: Colombia. Valle: Corr. El Vergel, Municip. Dagua, Finca La Aracuana, 27 April 1968, *Singer B 6431* (F)
- incrustatus* Singer in Singer & Digilio, 1951e: 153  
 HOLOTYPE: Brazil. Parecí: Estado Río Grande do Sul, 2 November 1951, *Singer B 60* (LIL) [published in 1952]
- inodermatoides* Singer, 1973a: 241, 328  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 9 March 1956, *Singer B 1720* (F)
- juniperinus* var. *gilvooides* Singer, 1975c: 890  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B 7213* (F)
- juniperinus* var. *radicicola* Singer, 1973a: 272, 328  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1445* (F)
- latispermus* Singer, 1989a: 31  
 HOLOTYPE: Peru. Cuzco, Machu Picchu, 20 May 1958, *Singer B 3026* (BAFC)
- laurifoliae* Singer, 1973a: 124, 328  
 HOLOTYPE: USA. Florida: Highlands County, 6 August 1942, *Singer F 94* (F)
- lecythidacearum* Singer, 1989a: 31  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 October 1977, *Singer B 10197* (INPA)
- leucophyllus* Singer, 1989a: 32  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 17 May 1977, *Singer B 9645* (INPA)
- lysochlorus* Singer, 1989a: 33  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 April 1977, *Singer B 9772* (INPA)
- mesosporus* Singer, 1973c: 469  
 HOLOTYPE: USA. North Carolina: Hatteras Island, 6 December 1970, *Lucas s.n.* (F)
- minutalis* Singer, 1989a: 33  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 June 1977, *Singer B 10022* (INPA). Deposited as "M. brasiliensis" var. *minutalis*"
- minutus* Singer, 1973a: 43, 328  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B 1446* (F)
- misionensis* Singer, 1973a: 277, 329  
 HOLOTYPE: Argentina. Misiones: Puerto Iguazú, 14 May 1957, *Singer M 981* (F)

- musacearum* Singer, 1973a: 239, 329  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B* 2022 (F)
- napoensis* Singer, 1975c: 877  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B* 7445 (F)
- nothofagineus* Singer, 1969a: 80  
 HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 30 April 1958, *Pujals & Gamundi* Gamundi 328 (BAFC, LIL)
- nubigenus* Singer, 1973a: 197, 329  
 HOLOTYPE: Colombia. Valle: Corr. El Vergel., Municip. Dagua, Finca La Araucana, 14 April 1968, *Singer B* 6133 (F)
- oblongisporus* Singer, 1973a: 254, 329  
 HOLOTYPE: Mexico. Oaxaca: Rancho del Cura, below Huautla de Jiménez, 7 July 1969, *Singer M* 8287 (F)
- omphalina* Singer in Singer & Digilio, 1951e: 167  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerte, 27 March 1949, *Singer T* 295 (LIL) [published in 1952]
- omphalophorus* Singer, 1969a: 79  
 HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M* 1897 (SGO)
- orinocensis* Singer, 1973a: 280, 329  
 HOLOTYPE: Venezuela. Amazonas: Tama-Tama, Río Orinoco, 21 June 1959, *Wurdack & Adderley* 43097 (NY)
- osornensis* Singer, 1969a: 83  
 HOLOTYPE: Chile. Llanquihué: Volcán Osorno, 10 May 1967, *Singer M* 6846 (SGO)
- panamensis* Singer, 1973a: 251, 329  
 HOLOTYPE: Panama. Zona Canalí: Barro Colorado Island, 6 July 1952, *Martin & Welden* 7468 (F)
- pandoensis* Singer, 1973a: 71, 329  
 HOLOTYPE: Bolivia. Pando: Manuripi, 23 March 1956, *Singer B* 2160 (LIL)
- pantholocystis* Singer, 1989a: 34  
 HOLOTYPE: Indonesia. Pulo-Penang, no date, Wawra 1407 (W)
- papillatomarginatus* Singer, 1973a: 183, 330  
 HOLOTYPE: Colombia. Valle: Corr. El Vergel., Municip. Dagua, Finca La Araucana, 14 April 1968, *Singer B* 6136 (F)
- papillifer* Singer, 1969a: 79  
 HOLOTYPE: Chile. Llanquihué: 15 km NE of Puerto Pargua, 9 May 1967, *Singer M* 6801 (SGO)
- paraensis* Singer, 1973a: 45, 330  
 HOLOTYPE: Brazil. Pará: Belém, 10 June 1966, *Singer B* 4258 (BAFC)
- parlatorei* Singer in Singer & Digilio, 1951e: 161  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 6 January 1950, *Singer T* 835 (LIL) [published in 1952]
- paurosporus* Singer, 1958d: 228  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 12 July 1957, *Singer M* 1533 (LIL)
- perangustispermus* Singer, 1973a: 330  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Quinta La Flora between Cisneros and Cordoba, 23 April 1968, *Singer B* 6323 (F)
- pernambucensis* Singer, 1973a: 233, 330  
 HOLOTYPE: Brazil. Pernambuco: Caramagibe, 14 July 1960, *Singer B* 3408 (F)
- petiolicola* Singer, 1975c: 891  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo, 8 May 1973, *Singer B* 7292 (F)
- peullensis* Singer, 1969a: 77  
 HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M* 1924a (BAFC)
- platyhyphes* Singer, 1973a: 275, 330  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 25 April 1968, *Singer B* 6360 (F)
- polyphyllus* Singer, 1973a: 182, 330  
 HOLOTYPE: Mexico. Veracruz: 7 km S of Montepí, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M* 8061 (F)
- potamogeton* Singer, 1989a: 34  
 HOLOTYPE: Brazil. Amazonas: Paraná do Janauacá, 23 May 1980, *Singer B* 12178 (F)
- potassiovirens* Singer, 1989a: 35  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 April 1977, *Singer B* 9782 (INPA)
- pseudoparaphysatus* Singer, 1973a: 195, 331  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Quinta La Flora between Cisneros and Cordoba, 23 April 1968, *Singer B* 6313 (F)
- quercinus* Singer, 1973a: 55, 331  
 HOLOTYPE: Colombia. Cundinamarca: Bojacá, Bosque de La Mercedes, 8 April 1968, *Singer B* 6010 (F)
- ramealis* var. *consimilis* Singer, 1973a: 174, 331  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 16 January 1955, *Singer T* 2021 (LIL)
- ramealis* var. *foliicola* Singer, 1969a: 75  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 10 November 1967, *Singer M* 7827 (SGO)
- ramealis* var. *multifolius* Singer, 1969a: 74  
 HOLOTYPE: Chile. Chiloé: Pudeto, May 1967, *Singer M* 6793 (SGO)
- ramealis* var. *secretanii* Singer, 1973a: 311  
 HOLOTYPE: Switzerland. Vaud: NW of Belmont, 1 August 1970, *Singer C* 5035 (F). No Latin diagnosis—cites other publication with Latin

- ramealis* var. *subtropicalis* Singer, 1973a: 173, 331  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 15 January 1950, *Singer T* 872 (LIL)
- ramealis* var. *tucumanensis* Singer, 1973a: 175, 331  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 28 January 1957, *Singer T* 2919 (F)
- ramorum* Singer in Singer & Digilio, 1951e: 163  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 1 March 1949, *Singer T* 174 (LIL) [published in 1952]
- reductus* Singer, 1973a: 305, 331  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B* 1266 (F)
- rhodophyllus* Singer, 1973a: 212, 331  
 HOLOTYPE: Colombia. Cauca: above Totorá, Páramo Gabriel López, San Pedro, 4 May 1968, *Singer B* 6990 d (F)
- riberalensis* Singer, 1973a: 281, 331  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 29 March 1956, *Singer B* 2324 (F)
- rosascentifolius* Singer, 1989a: 35  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 April 1978, *Singer B* 10905 (INPA)
- sacchari* Singer in Singer & Digilio, 1951e: 170  
 HOLOTYPE: Argentina. Tucumán: Marcos Paz, 26 March 1949, *Singer T* 280 (LIL) [published in 1952]
- sanctaemarthae* Singer, 1973a: 226, 332  
 HOLOTYPE: Colombia. Magdalena: Sierra Nevada de Santa Marta, Hacienda Cincinnati, 18 August 1935, *Martin* 3493 (F)
- segregabilis* Singer, 1973a: 246, 332  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 15 February 1956, *Singer B* 1163 (MICH)
- semiustus* var. *abortivus* Singer, 1973a: 312, 332  
 HOLOTYPE: Philippines. Manila, 13-14 November 1947, *Davis s. n.* (FH)
- septicoides* Singer, 1955a: 773  
 HOLOTYPE: Brazil. Rio de Janeiro, Angra dos Reis, 1 October 1952, *Singer B* 427 (F)
- sphaerosporus* Singer, 1973a: 214, 332  
 HOLOTYPE: Argentina. Corrientes: Depto. Cosme, Paso de la Patria, 5 April 1957, *Singer M* 903 (LIL)
- stenocystis* Singer, 1973a: 151, 332  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B* 732 (F)
- stenophylloides* f. *bispora* Singer, 1978h: 17  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B* 7439 (F)
- stenosporus* Singer, 1973a: 111, 332  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B* 2080 (F)
- stratosus* Singer, 1975c: 893  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B* 7194 (F)
- subcoracinus* ssp. *montanus* Singer, 1973a: 208  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B* 1473 (BAFC). No Latin diagnosis.
- subhirtellus* Singer, 1989a: 36  
 HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B* 4255 (BAFC)
- subinodermatoides* Singer, 1989a: 36  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B* 10470 b-c (INPA)
- subolivaceomelleus* Singer, 1973a: 68, 332  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 19 April 1968, *Singer B* 6233 (F)
- subramealis* Singer in Singer & Digilio, 1951e: 157  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Parque Aconquita, 24 April 1951, *Singer T* 1521 (LIL) [published in 1952]
- subramealis* var. *catamarcensis* Singer, 1973a: 166, 332  
 HOLOTYPE: Argentina. Catamarca: Cuesta del Totoral, 26 May 1959, *Singer T* 3368 (F)
- subramealis* var. *julius* Singer, 1973a: 171  
 HOLOTYPE: Brazil. Pernambuco: Camaragibe, 7 July 1960, *Singer B* 3293 (F). No Latin diagnosis.
- subramealis* var. *platani* Singer, 1973a: 168, 333  
 HOLOTYPE: Mexico. Oaxaca: below Huautla de Jimnez, 7 July 1969, *Singer M* 8321 (F)
- tener* Singer, 1973a: 139, 333  
 HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, 9 July 1969, *Singer M* 8348 (F)
- thaxteri* Singer, 1973a: 248, 333  
 Type information: USA. Florida: Dade County, Coconut Grove, *Thaxter* (F). No date or collection number given.
- trichodermialis* Singer, 1975c: 883  
 HOLOTYPE: Venezuela. Aragua: along road from El Junquito, to Colonia Tovar, 44-45 km from Caracas, 22 June 1971, *Dumont VE-440* (NY)
- tricolor* f. *americana* Singer, 1946g: 128  
 Type information: USA. Massachusetts: Arlington, *Singer* (FH). [Published in 1948].
- umbilicatus* Singer, 1973a: 129, 333  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Juanchaco, 21 April 1968, *Singer B* 6270 (F)

*umbonifer* Singer, 1973a: 150, 333

HOLOTYPE: Argentina. Misiones: General Belgrano, near San Antonio, 19 April 1957, *Singer M 1080* (F)

*varzeae* Singer, 1989a: 36

HOLOTYPE: Brazil. Amazonas: Ilha da marchantaria, 1 July 1981, *Singer B 12215* (INPA)

*vinosus* Singer in Singer & Digilio, 1953b: 10

HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio [Singer no.] M 84* (LIL). The type information is identical to that of *Marasmius neosessilis* (1958a: 103) and *Marasmius iguazuensis* (1951e: 187). Based on Singer's unpublished field notebook, however, the description of *M. vinosus* matches Singer's collection no. *M 82* from the same location.

*volvatus* Singer ex. Singer, 1989a: 37

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1978, *Singer B 11317* (INPA)

*xerophyticus* Singer, 1973a: 57, 333

HOLOTYPE: Argentina. Tucumán: 2 km W of Tapia, 6 January 1952, *Singer T 1706* (MICH)

*yalaee* Singer, 1973a: 141, 333

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1966, *Singer T 5087* (F)

## MARASMIUS

*adisianus* Singer, 1989a: 59

HOLOTYPE: Brazil. Amazonas: Lago Janauarí, 18 March 1983, *Singer and others [Singer no.] B 12454* (INPA)

*aequatorialis* Singer, 1976a: 112

HOLOTYPE: Ecuador. Pichincha: Río Machángaro, 20 May 1973, *Singer B 7538* (F)

*aimara* Singer, 1965c: 219, 333

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 13 February 1956, *Singer B 1134* (LIL)

*albertianus* Singer, 1964f: 351

HOLOTYPE: Zaire. Des Lacs Edouard-Ganta, Kivu, Parc National Albert, Kalonge S. Butahu, no date, *Frédericq in de Witte 8969* (BR)

*albidomurinus* Singer, 1989a: 45

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B 10670* (INPA)

*allocystis* Singer, 1976a: 206

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 3 km below village, 12 March 1956, *Singer B 1875* (LIL). This species was invalidly published in Singer, 1965c: 292.

*alpinus* Singer, 1937: 231

HOLOTYPE: USSR. Western Caucasus: Monte Jatyrgvarta, July 1936, *Vasilieva (LE?)*

*apatelius* Singer, 1964f: 332

HOLOTYPE: Zaire. Bas-Zaire: Kisantu, no date, *Vanderyst 695* (BR)

*apogonus* Singer, 1978h: 24

HOLOTYPE: Ecuador. El Oro, 17 km. from Piñas towards Machala on the Arenillas-Loja road, 29 July 1975, *Dumont EC 1683* (NY)

*aporopohypes* Singer, 1965c: 131, 333

HOLOTYPE: Chile. Llanquihué: Lago Todos los Santos, Puella, 22 March 1959, *Singer M 1996* (LIL)

*aporpus* Singer, 1969a: 97

HOLOTYPE: Chile. Valdivia: near Hueycolla, 4 May 1967, *Singer M 6705* (SGO)

*araucariae* Singer, 1965c: 319, 333

HOLOTYPE: Argentina. Misiones: Frontera, General Manuel Belgrano, 20 April 1957, *Singer M 1147* (LIL)

*asemiformis* Singer, 1989a: 59

HOLOTYPE: Brazil. Amazonas: Manaus, 20 March 1983, *Singer B 12457* (F)

*asemus* Singer, 1989a: 60

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 January 1978, *Singer B 10545* (INPA)

*aspilocephalus* Singer, 1965c: 176, 334

HOLOTYPE: Bolivia. Pando: Conquista, 25 March 1956, *Singer B 2214* (LIL)

*ater* Singer, 1976a: 182

HOLOTYPE: Venezuela. Dto. Federal: El Avila, 24 July 1972, *Dumont and others VE 5980* (NY)

*atlanticus* Singer, 1976a: 77

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 21 August 1942, *Singer F 347* (F)

*atroincrustatus* var. *atroincrustatus* Singer, 1976a: 76

HOLOTYPE: Mexico. Oaxaca: Rancho del Cura, 7 July 1969, *Singer M 8320* (F)

*atroincrustatus* var. *inodorosus* Singer, 1976a: 76

HOLOTYPE: Mexico. Chiapas: San Cristobal de las Casas, 15 km W, 2 August 1969, *Singer M 8816* (F)

*atrорubens* var. *cystidifer* Singer, 1976a: 242

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 8 March 1956, *Singer B 1700* (LIL)

*atrорubens* var. *dumontii* Singer, 1976a: 243

HOLOTYPE: Venezuela. Sucre: trail from Los Pocitos, to Río Grande Arriba, 13 July 1972, *Dumont and others VE 4877* (NY)

- austrorotula* Singer, 1969a: 103  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Puerto Blest, Los Cántaros, 10 November 1966, *Singer M 6045* (BAFC)
- aztecus* Singer, 1976a: 235  
 HOLOTYPE: Mexico. México near Peña Blanca, SE of Valle de Bravo, 26 September 1967, *Guzmán 6148* (ENCB)
- bactrosporus* Singer, 1965c: 127, 334  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, ravine northwest of Ciudad Universitaria, 9 January 1960, *Singer T 3521* (LIL)
- baeocephalus* Singer, 1976a: 121  
 HOLOTYPE: Ecuador. Napo, 8 May 1973, *Singer B 7311* (F)
- bambusiniformis* Singer, 1976a: 167  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 16 May 1973, *Singer B 7480* (F)
- bathomphalus* Singer, 1989a: 45  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10646* (INPA)
- batistae* Singer, 1965c: 352  
 HOLOTYPE: Brazil. Pernambuco: Mata do São João, 16 July 1960, *Singer B 3436* (BAFC)
- beniensis* Singer, 1965c: 261, 334  
 HOLOTYPE: Bolivia. El Beni: Guayaramerín, 14 March 1956, *Singer B 2000* (LIL)
- bezerrae* var. *bezarrae* Singer, 1976a: 185  
 HOLOTYPE: Brazil. Pernambuco: Caramagibe, 14 July 1960, *Singer & Bezerra B 3409* (F)
- bezerrae* var. *chitepecensis* Singer, 1976a: 185  
 HOLOTYPE: Mexico. Chitepec, 30 October 1960, *Guzmán 2800 B* (F)
- bingaensis* Singer, 1964f: 382  
 HOLOTYPE: Zaire. Forestier Central: Binga, no date, *Goossens-Fontana 791* (BR)
- boliviae* Singer, 1965c: 196, 334  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coiroico, 12 February 1956, *Singer B 1098* (LIL)
- brachysporus* Singer, 1989a: 45  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B 10465* (INPA)
- bromeliacearum* Singer in Singer & Digilio, 1951e: 212  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 30 March 1951, *Singer T 1457* (LIL) [published in 1952]
- brunneocinctus* Singer, 1976a: 156  
 HOLOTYPE: Mexico. Chiapas: between Finca Sospiro, and El Pozo, 4 August 1969, *Singer M 8982* (F)
- buzungolo* Singer, 1964f: 371  
 HOLOTYPE: Zaire. Bas-Zaire, near Léopoldville, no date, *Dubois 1501* (BR)
- calhouniae* Singer, 1989a: 63  
 HOLOTYPE: USA. California: Marin County, 11 November 1981, *Calhoun 81-2606* (F)
- caliensis* Singer, 1976a: 91  
 HOLOTYPE: Colombia. Valle: Cali, Saladito, 15 April 1968, *Singer B 6149* (F)
- campinaranae* Singer, 1989a: 57  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracarái, km 45, 28 February 1979, *Singer B 10724* (INPA)
- carcharus* Singer, 1964f: 361  
 HOLOTYPE: Zaire. Forestier Central: Binga, no date, *Goossens-Fontana 4064* (BR)
- carminis* Singer, 1976a: 108  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1484* (LIL). This species was invalidly published in Singer, 1965c: 156.
- carneotinctus* Singer, 1976a: 107  
 HOLOTYPE: Colombia. Valle: Cali, along road to Buenaventura, 26 July 1964, *Guzmán 4580* (ENCB)
- carpenterianus* Singer, 1958e: 70, 71  
 HOLOTYPE: Peru. Huánuco: Tingo Marca, Cueva de los Pavos, 3 September 1949, *Carpenter 136* (LIL)
- carpophilus* Singer, 1937: 231  
 Type information: USSR. Western Caucasus: region Czernoreczie, August 1936, *Vasilieva* (LE?)
- castellanoi* Singer, 1976a: 99  
 HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4199* (BAFC)
- caucasicus* Singer, 1937: 230  
 Type information: USSR. Western Caucasus: Mt. Caucasus, August 1936, *Vasilieva* (LE?)
- cenospilus* Singer, 1982d: 35  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12468* (F)
- centroamericanus* Singer, 1989a: 60  
 HOLOTYPE: Costa Rica. Alajuela: near Canas-Upala, October 1982, *Gómez 18649* (F)
- chiapasensis* Singer, 1976a: 73  
 HOLOTYPE: Mexico. Chiapas: between Finca Sospiro, and El Pozo, 4 August 1969, *Singer M 8969* (F)
- chrysoblepharis* Singer, 1976a: 237  
 HOLOTYPE: Mexico. Veracruz: Tlilapa, banks of Río Aserradero, 24 June 1969, *Singer M 8201* (F)
- chrysocephalus* Singer, 1976a: 144  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, below Guayaramerín, 12 March 1956, *Singer B 1936* (LIL)
- cibarius* Singer, 1976a: 274  
 HOLOTYPE: Peru. Cuzco: Canal, El Descanso, 5 February 1951, *Vargas 10050* (LIL)

- cladophyllus* var. *glaberripes* Singer, 1976a: 198  
 HOLOTYPE: Ecuador. Tungurahua: Río Verde, S of Río Pastaza, 28 April 1973, *Singer B 7160* (F)
- cladophyllus* var. *intermedius* Singer, 1976a: 199  
 HOLOTYPE: Ecuador. Napo: Sacha 4, 10 May 1973, *Singer B 7343* (F)
- cohaerens* var. *americanus* Singer, 1976a: 247  
 HOLOTYPE: USA. Michigan: Cheboygan County, 21 July 1953, *Singer N 700* (F)
- cohortalis* var. *arenicolor* Singer, 1958e: 92  
 HOLOTYPE: Argentina. Tucumán: Parque Avellaneda, 26 March 1951, *Singer T 1445* (LIL). No Latin diagnosis.
- cohortalis* var. *pseudocollinus* Singer & Digilio ex Singer, 1958e: 91  
 HOLOTYPE: Argentina. Tucumán: Anta Muerta, 26 December 1951, *Singer T 1667* (LIL). No Latin diagnosis
- conquistensis* Singer, 1965c: 192, 334  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer B 2190* (LIL)
- convoluticeps* Singer, 1976a: 173  
 HOLOTYPE: Brazil. Amazonas: Manaus, Itacoatiara road, 30 January 1963, *G. & L. Eiten & Felipe 5254* (F)
- corrugatiformis* Singer, 1964f: 374  
 HOLOTYPE: Zaire. Forestier Central, 20 km NE de Yambao, no date, *Louis 15 275* (BR)
- corrugatus* var. *lacustris* Singer, 1976a: 194  
 Type information: Ecuador. Napo: Lago Agrio (F?). Three collections were listed, but no type were designated: 7 May 1973, *Singer B 7262*, B 7422; 11 May 1973, B 7366.
- corrugatus* var. *portonovensis* Singer, 1976a: 195  
 HOLOTYPE: Brazil. Santa Catarina: Porto Novo, *Rick 576* (FH). No date given.
- costaricensis* Singer, 1989a: 61  
 HOLOTYPE: Costa Rica. Heredia: near Puerto Viejo, 22 December 1979, *Lodge 284* (F)
- crinis-equi* var. *monocotyledonum* Singer, 1976a: 148  
 Type information: Zaire. Bamania: Eala, *Staner C 325* (BR). In mat. stud. Lebrun 3009 (BR) was indicated as type.
- cryptotrichus* Singer, 1976a: 72  
 HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 27 June 1969, *Singer M 8250* (F)
- cuatrecasasii* Singer, 1976a: 191  
 HOLOTYPE: Colombia. Valle: Río Pance near Cali, 1 May 1968, *Singer B 6517* (F)
- cuimisedus* Singer in Singer & Digilio, 1951e: 193  
 HOLOTYPE: Argentina. Tucumán: San Pablo, 29 March 1949, *Singer T 313* (LIL) [published in 1952]
- cundinamarcae* Singer, 1976a: 102  
 HOLOTYPE: Colombia. Cundinamarca: Bojacá, Bosque de la Mercedes, 8 April 1968, *Singer B 6009* (F)
- cyathaeae* Singer, 1936g: 157, 158  
 Type information: USSR. Leningrad: Botanical Gardens, February 1936, *Tranzschel & Singer LE?*
- dauliporus* Singer, 1989a: 63  
 HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B 12410* (F)
- dennisi* Singer, 1965c: 306, 335  
 HOLOTYPE: Trinidad. St. Joseph, 27 September 1949, *Dennis 42 A* (K). No material studied. The description was adapted from Dennis by the author.
- digilioi* Singer in Singer & Digilio, 1951e: 201  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 24 April 1949, *Digilio & Singer [Singer no.] T 488* (LIL) [published in 1952]
- ditopotrroma* Singer, 1965c: 224, 335  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 17 March 1956, *Singer B 2068* (LIL)
- dodecaphyllus* Singer, 1965c: 159, 335  
 HOLOTYPE: Bolivia. Pando: Manuripi, Santa Rosa on Río Madre de Dios, 22 March 1956, *Singer B 2151* (LIL)
- dryinus* Singer, 1990e: 28  
 HOLOTYPE: Mexico. Morelos: NW of Tepoztlán, 27 June 1969, *Singer M 8251* (F)
- dyodes* Singer, 1965c: 130, 335  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B 1690* (LIL)
- echinosphaerus* Singer, 1964f: 325  
 HOLOTYPE: Zaire. Haut-Zaire: Kipushi, Kipopo, no date, *Schmitz-Levecq 169* (BR)
- elaeocephalus* Singer, 1964f: 384  
 HOLOTYPE: Zaire. Forestier Central: Yangambi, *Louis 14 875* (BR)
- ellipsoidosporus* Kumar, Singer, Lakhanpal & Step, 1991b: 227  
 HOLOTYPE: India. Himachal Pradesh: Simla, Charawara, 8 August 1983, *Kumar 254* (F 1084722)
- erotula* Singer, 1976a: 77  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Campamento Pulpapel, 25 April 1968, *Singer B 6380* (F)
- epelaeus* Singer, 1965c: 266, 335  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Arroyo Florida, 22 km W of Riberalta, 7 April 1956, *Singer B 3047* (LIL)
- episemus* Singer, 1964f: 365  
 HOLOTYPE: Zaire. Panzi Kivu, Des Lacs Edouard et Kivu, no date, *Goossens-Fontana 5091* (BR)

- equicrinis* var. *dicotyledoneus* Singer, 1965c: 198, 336  
 HOLOTYPE: Argentina. Catamarca: Andalgalá, Río Potrero, 10 February 1952, *Singer T 1854* (LIL)
- equicrinis* var. *rhizomorphogeton* Singer ad int., 1965c: 197, 335  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2534* (LIL)
- equicrinis* var. *rhizomorphogeton f. arrhizomorphicus* Singer, 1965c: 198, 336  
 HOLOTYPE: Bolivia. Pando: Las Piedras, 5 April 1956, *Singer B 2518* (LIL)
- eucladopus* Singer, 1965c: 169, 338  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B 1478* (LIL)
- euosmus* Singer, 1958e: 69  
 HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 24 August 1952, *Martin & Welde 8702* (IA)
- exiguus* Singer, 1969a: 100  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6577* (SGO)
- ferrugineus* var. *gardneri* Singer, 1976a: 223  
 Type information: Brazil. Minas Gerais, *Gardner* (K: Hooker Herbarium)
- flavus* Singer, 1964f: 344  
 HOLOTYPE: Zaire. Forestier Central: Eala, no date, *Goossens-Fontana 151* (BR)
- flotowiphilus* Singer, 1965c: 125, 336  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Arroyo Blest, 14 March 1959, *Singer M 1790* (LIL)
- foliicola* Singer, 1976a: 158  
 HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, Garden of the Instituto Miguel Lillo, 10 February 1955, *Singer T 2147* (LIL). See Sydowia 12:205, 1965 for "ad interim"
- fuligineorotula* Singer, 1965c: 174, 336  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B 1193* (LIL)
- fusicystis* Singer in Singer & Digilio, 1951e: 187  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 2 January 1950, *Singer T 802* (LIL) [published in 1952]
- gomezii* Singer, 1989a: 46  
 HOLOTYPE: Costa Rica. Alajuela: Alto Berlin, 26 July 1981, *Singer & Gómez* [*Singer no.*] *B 12490* (F)
- graminum* var. *schini* Singer ex Singer, 1965c: 204, 336  
 HOLOTYPE: Argentina. Catamarca: Santa Rosa, Suncho, 20 January 1952, *Singer T 1788* (LIL)
- graminum* var. *subalpinus* Singer, 1965c: 204, 336  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Quebradita del Mastil, 7 February 1959, *Singer S 159* (LIL)
- grandisetulosus* Singer, 1964f: 379  
 HOLOTYPE: Zaire. Panzi-Kivu, Des Lacs Edouard et Kivu, no date, *Goossens-Fontana 5076* (BR)
- grandisetulosus* var. *tenuisetulosus* Singer, 1964f: 380  
 HOLOTYPE: Zaire. Kasai: Kikwit, *Vanderyst 4015* (BR)
- griseofuscescens* Singer, 1976a: 104  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 11 May 1973, *Singer B 7361* (F)
- guanacastensis* Singer, 1989a: 64  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 June 1981, *Singer B 12470* (F)
- guyananensis* var. *erythrocephalus* Singer, 1965c: 186, 336  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B 1876* (LIL)
- guyananensis* var. *guayanensis* Singer, 1965c: 187, 336  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2014* (LIL)
- guzmanianus* Singer, 1976a: 218  
 HOLOTYPE: Mexico. México: La Marquesa, Parque Nacional, September 1960, *Guzmán 2601* (ENCB). Isotype: F.
- haediniformis* Singer, 1964f: 363  
 HOLOTYPE: Zaire. Des Lacs Edouard et Kivu, Parc National Albert, environs d'Hoysha, no date, *Frédericq in de Witte 9432* (BR)
- haematocephalus* var. *atrovioletaceus* Singer, 1965c: 300, 337  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 25 March 1956, *Singer 2189* (LIL)
- haematocephalus* var. *leucophyllus* Singer, 1976a: 214  
 HOLOTYPE: Bolivia. La Paz: Charobamba, 30 January 1956, *Singer B 738* (LIL)
- haematocephalus* var. *macrocephalus* Singer, 1965c: 299, 337  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2045* (LIL)
- haematocephalus* var. *oenechinus* Singer, 1958e: 120  
 HOLOTYPE: Cuba. Cienfuegos: Soledad, no date, *White* (FH)

- haematocephalus* var. *pseudotageticolor* Singer, 1958e: 120  
 HOLOTYPE: Panama. Río Sardinilla, no date, Martin & Bouch 7549 (F, IA)
- haematocephalus* var. *pureomarginatus* Singer, 1965c: 298, 337  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 14 March 1956, Singer B 1967 (LIL)
- haematocephalus* var. *rubicundus* Singer, 1965c: 299, 337  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, Singer B 743 (LIL)
- haematocephalus* var. *transiens* Singer, 1965c: 300, 337  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 27 January 1956, Singer B 592 (LIL)
- helvoloides* Singer, 1976a: 175  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 22 April 1968, Singer B 6298a (F)
- hemimycena* Singer, 1965c: 348  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, Singer M 3193 (BAFC). Also published in Singer et al., 1965i: 154.
- hendecaphyllus* Singer, 1989a: 46  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 April 1977, Singer B 9783 (INPA)
- heterocheilus* Singer, 1965c: 328, 337  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 17 March 1956, Singer B 2076 (LIL)
- hexaphyllus* Singer, 1989a: 46  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, Singer B 10513a (INPA)
- hiorami* var. *austroamericanus* Singer, 1976a: 140  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, Singer B 2499 (LIL)
- horridulus* Singer, 1986a: 367  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 12 July 1978, Sousa & Aguiar [Singer no.] B 11272 (INPA). Also see Singer, 1989a: 47.
- hyalinotrichus* Singer, 1965c: 126, 337  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 9 March 1956, Singer B 1779 (LIL)
- hydropodoides* Singer, 1989a: 64  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, 15 September 1978, Silva [Singer no.] B 11390 (INPA)
- hylaeae* var. *hylaeae* Singer, 1976a: 230  
 HOLOTYPE: Ecuador. Napo: Sacha 4 (Sacha Norte), 10 May 1973, Singer B 7342 (F)
- hylaeae* var. *hypszigys* Singer, 1976a: 231  
 HOLOTYPE: Ecuador. Napo: Sacha 4 (Norte), 10 May 1973, Singer B 7340 (F)
- hylaeicola* Singer, 1976a: 114  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, Singer B 7298 (F)
- idroboi* Singer, 1976a: 115  
 HOLOTYPE: Colombia. Valle: Cali, Cerro Horqueta, 2 May 1968, Singer B 6925 (F)
- iguazuensis* Singer in Singer & Digilio, 1951e: 189  
 HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, Singer & Digilio [Singer no.] M 84 (LIL). The type information is identical to that of *M. neosessilis* (1958a: 103) and that of *Marasmiellus vinosus* (1953b: 10). See notes under the latter two species. [published in 1952]
- ilicis* Singer, 1953d: 142  
 HOLOTYPE: Brazil. Río Grande do Sul: Taim-besinho, 5 November 1951, Singer B 88/B 88a (LIL)
- inundabilis* Singer, 1989a: 47  
 HOLOTYPE: Brazil. Amazonas: Ilha Janauari, 18 March 1983, Singer and others [Singer no.] B 12441 (F)
- iodactylus* Singer, 1989a: 48  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 June 1977, Singer B 10032 (INPA)
- izonetas* Singer, 1989a: 48  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 8 September 1977, Aguiar & Singer [Singer no.] B 10138 (INPA)
- janauariensis* Singer, 1989a: 49  
 HOLOTYPE: Brazil. Amazonas: Ilha Janauari, 18 March 1983, Singer B 12446 (F)
- katangensis* Singer, 1964f: 375  
 HOLOTYPE: Zaire. Haut-Zaire: Kipushi, Kipo-po, Schmitz-Levecq 315 (BR)
- kisangensis* Singer, 1964f: 324  
 HOLOTYPE: Zaire. Haut-Zaire: Keyberg, Kis-anga, no date, Soyer 127 (BR)
- latiusculospermus* Singer, 1976a: 267  
 HOLOTYPE: Mexico. México: Quertaro, 5 km W of Lobo, 26 June 1969, Guzmán 1582 (ENCB)
- leguminosarum* Singer, 1965c: 348  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, Singer M 3394 (BAFC)
- leoninus* var. *aberrans* Singer, 1976a: 189  
 HOLOTYPE: Mexico. Veracruz: 3 km W Fortín de las Flores, 24 January 1969, Singer M 8188 (F)
- leoninus* var. *griseoferrugineus* Singer, 1965c: 277, 337  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín in virgin forest, 12 March 1956, Singer B 1919 (LIL)

- leoninus* var. *olivascenticeps* Singer, 1958e: 105  
 HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 5 September 1942, *Singer F* 596 (F). No Latin diagnosis
- leptus* Singer, 1964f: 370  
 HOLOTYPE: Zaire. Forestier Central: Yangambi, no date, *Louis 14* 969 (BR)
- leucorotalis* Singer, 1965c: 156, 337  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B* 1414 (LIL)
- leucorotalis* var. *discopallescens* Singer, 1976a: 103  
 HOLOTYPE: Argentina. Tucumán: Río Cochuna, 27 February 1952, *Singer T* 3772 (LIL)
- leucoxzonites* Singer, 1965c: 163, 337  
 Type information: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 15 January 1955, *Singer T* 2018 (LIL). The specimen was also designated as the type of *Marasmius pluvialis* Singer (1965c: 163).
- leucoxzonitiformis* Singer, 1976a: 106  
 HOLOTYPE: Colombia. Valle: Dagua, Corr. El Vergel, Finca La Araucana, 14 April 1968, *Singer B* 6105 A (F)
- lilacinocalbus* var. *albus* Singer, 1964f: 359  
 HOLOTYPE: Zaire. Bas-Zaire: Binga, no date, *Dubois 1533* (BR)
- lilacinocalbus* var. *lilacinocarmineus* Singer, 1964f: 359  
 HOLOTYPE: Zaire. Forestier Central: Binga, no date, *Goossens-Fontana 4066* (BR)
- linderi* Singer, 1948c: 33  
 HOLOTYPE: Liberia. Memeh Town, 27 August 1926, *Linder 438* (FH)
- liquidambari* Singer, 1976a: 70  
 HOLOTYPE: Mexico. Oaxaca: San Augustín, 10 July 1969, *Singer M* 8418/8420 (F)
- lomatiae* Singer, 1969a: 96  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Puerto Blest, Los Cántaros, 10 November 1966, *Singer M* 6044 (BAFC)
- louisii* Singer, 1964f: 332  
 HOLOTYPE: Zaire. Forestier Central: Yangambi, Reserve Isalowe, no date, *Louis 14931* (BR)
- maassii* Singer, 1989a: 65  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Itacoatiara, km 65, *Maas B* 10179 (INPA)
- macrolobieti* Singer, 1964f: 362  
 HOLOTYPE: Zaire. Forestier Central, 20 km NE of Yambao, no date, *Louis 15* 243 (BR)
- magnisetulosus* Singer, 1976a: 129  
 HOLOTYPE: Venezuela. Dto. Federal: Parque Nacional El Avila, 27 February 1972, *Dumont and others VE* 6206 (NY)
- magnoliae* Singer, 1945d: 435  
 Type information: USA. Florida: Alachua County, Gainesville, *Singer* (FH)
- manuripiensi*s Singer, 1965c: 154, 338  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquistia, 25 March 1956, *Singer B* 2227 (LIL)
- marthae* Singer, 1958e: 137  
 HOLOTYPE: Argentina. Tucumán: Garden of the Instituto Lillo, 14 January 1952, *M. Singer [Singer no.] T* 1730 (LIL)
- marthae* var. *paucilamellatus* Singer, 1958e: 138  
 HOLOTYPE: Argentina. Tucumán, 20 February 1955, *Singer T* 2190 (LIL)
- matrisdei* Singer, 1965c: 259, 338  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B* 2523 (LIL)
- mazatecus* Singer, 1976a: 168  
 HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, Sierra Mazateca, 8 July 1969, *Singer M* 8368 (F)
- megalospermus* Singer, 1965c: 183, 338  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B* 1927 (LIL)
- megistosporus* Singer, 1965c: 281, 338  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 14 March 1956, *Singer B* 1971 (LIL)
- melenocephalus* Singer, 1965c: 257, 338  
 HOLOTYPE: Argentina. Tucumán: 5 km S of Burruyacú, 19 February 1957, *Singer 2997* (LIL). See Sydowia 12: 115.
- mesocephalus* Singer, 1989a: 49  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B* 10411 (INPA)
- mesosporus* Singer, 1964f: 349  
 HOLOTYPE: Zaire. Forestier Central: Binga, August, 1947, *Goossens-Fontana 4065* (BR).
- mesosporus* Singer, 1973c: 469  
 HOLOTYPE: USA. North Carolina: Hatteras Island, 6 December 1970, *Lucas s.n.* (F)
- microdendron* Singer, 1965c: 349  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 19 July 1960, *Singer B* 3448 (BAFC)
- microhaedinus* Singer, 1965c: 260, 338  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 8 April 1956, *Singer B* 2578 (LIL)
- microrotalis* Singer, 1989a: 49  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B* 10104 (F)
- minusculus* Singer, 1989a: 50  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B* 10649 (INPA)

- misionensis* Singer, 1965c: 190, 338  
 HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguaréte, 16 April 1957, *Singer M 1047* (LIL)
- montagnei* Singer, 1965c: 283, 339  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 17 March 1956, *Singer B 2089* (LIL). Also published as *M. montagneanus* Singer in 1976a: 219 based on the same type specimen.
- mundulus* Singer, 1989a: 50  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10092* (INPA)
- munyozi* Singer, 1969a: 100  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 March 1967, *Singer M 6517* (SGO)
- myocephalus* Singer, 1976a: 271  
 HOLOTYPE: Colombia. Valle: Municipalidad Cali, Saladito, 15 April 1968, *Singer B 6152* (F)
- nanorotalis* Singer, 1989a: 51  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B 10459* (INPA)
- napoensis* Singer, 1976a: 186  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 17 May 1973, *Singer B 7519* (F)
- nebulosum* Singer, 1965c: 350  
 HOLOTYPE: Colombia. Boyacá: between Ramírez and Rondón, 30 July 1960, *Singer B 3637* (BAFC)
- neglectus* Singer, 1976a: 175  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, along Juanchaco road, 25 April 1968, *Singer B 6381* (F)
- neorotula* Singer, 1989a: 51  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10208* (INPA)
- neosessilis* Singer, 1958a: 103  
 HOLOTYPE: Argentina. Misiones: Cataratas del Iguazú, 26 November 1949, *Singer & Digilio* (*Singer no. 1 M 84*) (LIL). This species was also published in Singer, 1958e: 83. The type information is identical to that of *M. iguazuensis* (1951e: 187) and *Maramiellus vinosus* (1953b: 10). Based on Singer's unpublished notebook, however, the description of *M. neosessilis* matches Singer's collection no. *M 57* from Iguazú, collected in 24 November 1949.
- neosessilis* var. *montepiensis* Singer, 1976a: 262  
 HOLOTYPE: Mexico. Veracruz: 3 km from Montepío, 30 July 1969, *Singer M 8757* (F)
- nephelogenes* Singer, 1990e: 29  
 HOLOTYPE: Costa Rica. Puntarenas: Bosque Nuboso, Reserva Biológica near Monteverde, 25 July 1986, *Singer B 14453* (F)
- nogalesii* Singer, 1965c: 305, 339  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 April 1956, *Singer B 2558* (LIL)
- nothomyrciae* Singer, 1959c: 383, 384  
 HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, path up to El Camote, 18 March 1955, *Sparre F 56* (S)
- oaxacanus* Singer, 1958d: 232  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 10 July 1957, *Singer M 1519* (LIL)
- ochropus* Singer, 1964f: 369  
 HOLOTYPE: Zaire. Bas-Zaire: Kisanga, no date, *Vanderyst s.n.* (BR)
- oleiger* Singer, 1965c: 293, 339  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Llolosa, 31 January 1956, *Singer B 776* (LIL)
- oligocystis* Singer, 1958e: 73, 75  
 HOLOTYPE: Brazil. Paraná: near Paranaguá, September 1952, *Singer B 403* (F)
- olivascenticeps* Singer, 1976a: 180  
 HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 5 September 1942, *Singer F 596* (F). See Sydowia 12: 105, 1958 for "ad interim"
- onoticus* Singer, 1976a: 169  
 HOLOTYPE: Argentina. Tucumán: Burruyacú, 5 km S of town, 19 February 1957, *Singer T 2995* (LIL). This species was invalidly published in Singer, 1965c: 252.
- pacificus* Singer, 1969a: 95  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6707* (SGO)
- pallenticeps* Singer, 1976a: 127  
 HOLOTYPE: Argentina. Misiones: Frontera, Manuel Belgrano near San Antonio, 19 April 1957, *Singer M 1123* (LIL)
- pallidocinctus* var. *latisporus* Singer, 1976a: 157  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 29 January 1956, *Singer B 535* (LIL)
- pallidocinctus* var. *pallidocinctus* Singer, 1976a: 156  
 HOLOTYPE: Venezuela. Dto. Federal: Mt. La Naiguata, above La Planta, 25 June 1971, *Dumont and others VE 701* (NY)
- panamensis* Singer, 1976a: 96  
 HOLOTYPE: Panama. Zona Canal: Barro Colorado Island, 15-16 August 1952, *Martin & Welden 8733* (F)
- pandoanus* Singer, 1965c: 153, 339  
 HOLOTYPE: Bolivia. Pando: Manuripi, Santa Rosa on Río Madre de Dios, 22 March 1956, *Singer B 2145* (LIL)
- panerythrus* Singer, 1965c: 303, 339  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 6 March 1956, *Singer B 1609* (LIL)

- pararotula* Singer, 1965c: 140, 340  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 12 February 1956, *Singer B 1886* (LIL)
- paulensis* Singer, 1976a: 255  
 HOLOTYPE: Brazil. São Paulo: Reserva Florestal, 10 km N of São Paulo, 17 December 1964, *Singer B 4099* (BAFC)
- perlongispermus* Singer, 1976a: 264  
 HOLOTYPE: Colombia. Cauca: road to sulphur mine at Puracé, 30 April 1968, *Singer B 6489* (F)
- perrarus* Singer, 1989a: 51  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, *Singer B 9856* (INPA)
- perreductus* Singer, 1978b: 22  
 HOLOTYPE: Ecuador. El Oro, 14 km from Piñas towards Machala on the Arenillas-Loja road, *Dumont and others EC 1636* (NY, F)
- phaeocystis* Singer, 1976a: 221  
 HOLOTYPE: Argentina. Misiones: Arroyo Piray Guazú, 24 February 1960, *Gerrero 61* (LIL)
- pichinchensis* Singer, 1989a: 55  
 HOLOTYPE: Ecuador. Pichincha: 24 km from section of Quito-Machachi road, 7 August 1975, *Dumont EC 2368* (NY)
- pilgerodendri* Singer, 1965c: 124, 341  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Puerto Blest, 15 March 1959, *Singer M 1812* (LIL)
- platyspermus* Singer in Singer & Digilio, 1951e: 215  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 12 March 1949, *Singer T 203* (LIL) [published in 1952]
- platyspermus* f. *scandens* Singer, 1965c: 161, 341  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 24 March 1960, *Singer T 3591* (LIL). Also see 1976a: 111
- pleuracanthus* Singer, 1965c: 313, 341  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín in virgin forest, 12 March 1956, *Singer B 1920* (LIL)
- pleurotelloides* Singer, 1976a: 263  
 HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4240* (BAFC)
- pluvialis* Singer, 1965c: 163, 341  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 15 January 1955, *Singer T 2018* (LIL). The specimen was also designated as the type of *Marasmius leucozonites* Singer (1965c: 163).
- podocarpi* Singer in Sing & Digilio, 1951e: 188  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1345* (LIL) [published in 1952]
- polychaetopus* Singer, 1965c: 129, 341  
 HOLOTYPE: Chile. Llanquihué: Lago Todos los Santos, Puella, 20 March 1959, *Singer M 1883* (LIL)
- polycladooides* Singer, 1989a: 52  
 HOLOTYPE: Panama. San Blas, Puerto Obaldia Darién, 22 June 1975, *Dumont PA 914* (NY)
- polycystis* Singer, 1976a: 254  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 26 February 1956, *Singer B 1499* (F)
- polylepidis* var. *jujuyensis* Singer, 1989a: 58  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T 5202* (F)
- poromycenoides* Singer, 1965c: 226, 342  
 HOLOTYPE: Peru. Loreto: Río Nanya, 31 October 1958, *Lowy 365* (LIL)
- praeandinus* Singer, 1965c: 353  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 8 March 1961, *Singer T 3668* (LIL)
- praecox* Singer, 1958e: 140  
 HOLOTYPE: Argentina. Tucumán: Yerba Buena Taff and Viejo, 20 January 1955, *Singer T 2033* (LIL)
- praecox* f. *aurantiicolor* Singer, 1965c: 201, 340  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 17 February 1955, *Singer T 2180* (LIL)
- praecox* f. *rubroumboonatus* Singer, 1965c: 202  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 12 March 1949, *Singer T 208* (LIL)
- praegrandispermus* Singer, 1989a: 52  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 June 1977, *Singer B 9993* (INPA)
- pseudocorrugatus* Singer, 1965c: 311, 340  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B 2049* (LIL)
- pseudocupressiformis* Singer, 1989a: 53  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 March 1978, *Singer B 10743* (INPA)
- pseudocupressiformis* var. *alboflavescens* Singer, 1989a: 53  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10620* (INPA)
- pseudocupressiformis* var. *atripes* Singer, 1989a: 54  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10223* (INPA)
- pseudocupressiformis* var. *conspicuus* Singer, 1989a: 53  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer 10514* (INPA)

- pseudocupressiformis* var. *hendecaphyllophorus* Singer, 1989a: 53  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 February 1978, *Singer B* 10665 (INPA)
- pseudocupressiformis* var. *intermedius* Singer, 1989a: 53  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 March 1978, *Singer B* 10764 (INPA)
- pseudominutus* Singer, 1989a: 56  
 HOLOTYPE: Panama. Panamá: 2-3 km N of El Llano-Carti Rd., 29 June 1975, *Dumont P* 1488 (NY)
- pseudoniveus* Singer, 1965c: 328, 340  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 March 1956, *Singer* 1648 (LIL)
- pseudoniveus* var. *amylocystis* Singer, 1976a: 245  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 22 April 1968, *Singer B* 6297 (F)
- psychotriophilus* Singer, 1965c: 350  
 HOLOTYPE: Brazil. Río de Janeiro: Serra dos Orgãos, 24 October 1961, *Singer B* 4029 (BAFC)
- pusio* var. *graminivorus* Singer, 1976a: 201  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1965, *Singer T* 4058 (F)
- pusio* var. *poliobasis* Singer, 1965c: 280, 342  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 30 January 1956, *Singer B* 722 (LIL)
- puttemansi* var. *oligocladus* Singer, 1976a: 142  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 29 March 1956, *Singer B* 2330 (LIL). Invalidly published as *Marasmius oligocladus* Singer in 1965c: 190 based on the same specimen.
- puttemansi* var. *subtrichorrhizus* Singer, 1965c: 352  
 HOLOTYPE: Brazil. Pernambuco: Camaragibe, 7 July 1960, *Singer B* 3251b (BAFC)
- radicellicola* Singer, 1976a: 74  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 14 April 1964, *Singer B* 4078 (F)
- rhododendri* Singer, 1947c: 224  
 Type information: Spain. Catalonia: Port of Bon-aigua, June 1934. The species was invalidly published in Singer, 1936d: 77.
- riparius* Singer in Singer & Digilio, 1951e: 198  
 HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 18 February 1951, *Singer T* 1244 (LIL) [published in 1952]
- robertsonii* Singer, 1965c: 199, 342  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 30 March 1956, *Singer B* 2349 (LIL)
- rotaliformis* Singer, 1982d: 43, 44  
 HOLOTYPE: Costa Rica. Puntarenas: Monteverde, Monteverde Cloud Forest Reserve, Chomogo trail, December 1979, *Lodge* 305 (F)
- ruber* Singer, 1965c: 263, 342  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B* 1638 (LIL)
- rubromarginatus* var. *albilamellatus* Singer, 1989a: 54  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B* 9663 (INPA)
- rufonarginatus* Singer, 1958e: 134  
 HOLOTYPE: USA. Florida: Dade County, Simpson Park, October 1942, *Singer F* 1219 (FH)
- ruforotula* Singer, 1948c: 34  
 HOLOTYPE: USA. Florida: Dade County, Mattheson Hammock, 3 November 1942, *Singer F* 1456 (FH)
- sanctixerrierii* Singer, 1965c: 139, 342  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 20 December 1958, *Singer T* 3156 (LIL)
- sanguirostralis* Singer in Singer & Digilio, 1951e: 192  
 HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 18 February 1951, *Singer T* 1240 (LIL) [published in 1952]
- schultesii* Singer, 1976a: 131  
 HOLOTYPE: Colombia. Amazonas: Soratama, Río Apaporis, between Río Pacoa & Río Kan-anari, 3 July 1951, *Schultes & Cabrera* 12869 (F)
- scleronematis* Singer, 1989a: 54  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B* 10209 (INPA)
- scotophysinus* Singer, 1965c: 135, 342  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Cerro Uchumachi, 25 February 1956, *Singer B* 1444 (LIL)
- scototephrodes* Singer, 1976a: 105  
 HOLOTYPE: Mexico. Oaxaca: Rancho del Cura, 7 July 1969, *Singer M* 8299 (F)
- sejunctus* Singer, 1976a: 260  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, gorge near San Jerónimo, 7 February 1956, *Singer B* 980 (F)
- sessiliaffinis* Singer, 1958e: 81, 82  
 HOLOTYPE: Panama. Zona Canalis: Barro Colorado Island, 11 July 1952, *Martin & Welden* 7606 (IA, F)
- setulosifolius* Singer, 1965c: 312, 343  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 7 March 1956, *Singer B* 1649 (LIL)

- shideiae* Singer, 1989a: 61  
 HOLOTYPE: Japan. Kyoto: Yamashina-ku, 24 August 1983, *Shidei M* 645 (F)
- sibiricus* Singer, 1943a: 127  
 Type information: USSR. Siberia through Altai Mtns., September.
- silvicola* Singer in Singer & Digilio, 1951e: 199  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 14 April 1951, *Singer T* 1479 (LIL) [published in 1952]
- sphaerodermatoides* Singer, 1989a: 56  
 HOLOTYPE: Argentina. Buenos Aires: Parque Pereyra, 20 June 1962, *Horak & Singer [Singer no.] S 201* (BAFC)
- spiculosus* Singer, 1965c: 314, 343  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B* 1206 (LIL)
- spinosissimus* Singer, 1950c: 193  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 27 March 1949, *Singer T* 298 (LIL, MICH)
- subarborescens* Singer, 1964f: 364  
 HOLOTYPE: Zaire. Forestier Central: Eala, no date, *Goossens-Fontana 113* (BR)
- submarginatus* Singer, 1989a: 62  
 HOLOTYPE: USA. Illinois: White Pine State Park, 1 September 1975, *Singer N* 7539 (F)
- subruforotula* Singer, 1964f: 339  
 Type information: Zaire. Forestier Central: Eala.
- tanyspermus* Singer, 1965c: 157, 343  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 16 March 1956, *Singer B* 2052 (LIL)
- tasmaniensis* Singer, 1989a: 58  
 HOLOTYPE: Australia. Tasmania: near Florentina River, 27 January 1977, *Engel 13629* (F)
- tenuiparietalis* Singer, 1969a: 99  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, above Puerto Manzano, 26 June 1964, *Singer M* 3563 (BAFC)
- tephromelanus* Singer, 1989a: 62  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B* 9913 (INPA)
- tereticeps* Singer, 1965c: 170, 343  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Santa Teresa, 28 March 1956, *Singer B* 2299 (LIL)
- terraefirmae* Singer, 1989a: 54  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B* 10690 (INPA)
- tetrachroous* Singer, 1965c: 171, 343  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B* 1528 (LIL). The species epithet was also spelled "tetrachroinus."
- trichorhizus* var. *pallenticeps* Singer, 1965c: 178  
 HOLOTYPE: Argentina. Misiones: Frontera, Manuel Belgrano near San Antonio, 19 April 1957, *Singer M* 1123 (LIL). nom. nud. No Latin diagnosis.
- trinitatis* var. *immarginatus* Singer, 1965c: 266, 344  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B* 1883 (LIL)
- truncorum* Singer, 1989a: 58  
 HOLOTYPE: Brazil. Amazonas: Ponta Negra, 2 July 1978, *Singer B* 11267 (INPA)
- truncorum* var. *ramorum* Singer, 1989a: 59  
 HOLOTYPE: Costa Rica. San José: El Empalme, 25 July 1981, *Singer B* 12416 (F)
- tucumanus* Singer in Singer & Digilio, 1951e: 206  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 14 April 1951, *Singer T* 1460 (LIL) [published in 1952]
- ustilago* Singer, 1965c: 215, 344  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 3 km below Guayaramerín, 12 March 1956, *Singer B* 1870 (LIL)
- valdivianus* Singer, 1969a: 101  
 HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 14 May 1967, *Singer M* 6897 (SGO)
- variabiliceps* Singer, 1965c: 165, 344  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B* 1531 (LIL)
- variabiliceps* var. *derubricans* Singer, 1965c: 168, 344  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B* 1395 (LIL)
- variabiliceps* var. *heptachroinus* Singer, 1965c: 167, 344  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B* 1529 (LIL)
- variabiliceps* var. *mesites* Singer, 1965c: 166, 344  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 16 February 1956, *Singer B* 1210 (LIL)
- variabiliceps* var. *nothotereticeps* Singer, 1965c: 168, 344  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B* 1411 (LIL)
- variabiliceps* var. *separatus* Singer, 1965c: 167, 344  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 26 February 1956, *Singer B* 1547 (LIL)

- variabiliceps* var. *tucumanensis* Singer, 1965c: 166, 344  
 HOLOTYPE: Argentina. Tucumán: Cheligastra, Río Cochuna, 20 February 1951, *Singer T 1290* (LIL)
- ventalloi* Singer, 1947c: 225  
 Type Information: Spain. Catalonia: Prat de Llobregat, 1934.
- ventalloni* Singer, 1936d: 77  
 Type information: Spain. Catalonia, October 1934. No Latin diagnosis.
- vergelensis* Singer, 1976a: 98  
 HOLOTYPE: Colombia. Valle: Dagua, Corr. El Vergel., 27 April 1968, *Singer B 6426* (F)
- vigintifolius* Singer, 1965c: 164, 345  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Coroico, 4 February 1956, *Singer B 871* (LIL)
- violeoratalis* Singer, 1976a: 107  
 HOLOTYPE: Colombia. Valle: near Dagua road above km 25, 28 April 1968, *Singer B 6450* (F)
- witteanus* Singer, 1964f: 354  
 HOLOTYPE: Zaire. Des Laes Edouard et Kivu. Environs de Kalonge, pres de la riv. Katavuleko, no date, *Frédericq in de Witte 8934* (BR)
- xerampelinus* Singer, 1976a: 138  
 HOLOTYPE: Mexico. Chiapas: between Finca Sospiro, and El Pozo, 4 March 1969, *Singer M 8961* (F)
- xerophyticus* Singer, 1965c: 184, 345  
 HOLOTYPE: Argentina. Salta: Gemes, lower part of Quebrada de Yaqueasme, 7 February 1957, *Singer T 2948* (LIL)
- xestocephalus* Singer, 1964f: 367  
 HOLOTYPE: Zaire. Forestier Central: Yangambi, no date, *Louis 14 938* (BR)
- xylodendron* Singer, 1989a: 55  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 October 1977, *Singer B 10216* (INPA)
- yalae* Singer, 1976a: 65  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1966, *Singer T 5131* (F)
- yangambiensis* Singer, 1964f: 335  
 HOLOTYPE: Zaire. Forestier Central: Ile Esali, opposite of Yangambi, no date, *Louis 7091* (BR)
- yarizae* Singer, 1965c: 308, 345  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1369* (LIL)
- MARTELLIA**
- albella* Singer & Smith, 1960h: 38  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Puerto Blest, 17 February 1960, *Singer M 3024* (LIL)
- brunnescens* Singer & Smith, 1960h: 37  
 HOLOTYPE: USA. Oregon: Linn County, 31 May 1939, *Doty s.n.* (NY)
- californica* Singer & Smith, 1960h: 33  
 HOLOTYPE: USA. California: Guadeloupe, 9 April 1919, *Parks 524* (NY)
- fallax* Singer & Smith, 1960h: 34  
 HOLOTYPE: USA. California: Guadeloupe Mines, no date, *Parks Z-253* (NY)
- foetens* Singer & Smith, 1960h: 36  
 HOLOTYPE: USA. Idaho: Idaho County, 10 August 1958, *Smith 59864* (MICH)
- idahoensis* Singer & Smith, 1960h: 43  
 HOLOTYPE: USA. Idaho: Idaho County, August 1958, *Smith 60161* (MICH)
- maculata* Singer & Smith, 1960h: 28  
 HOLOTYPE: USA. Oregon: Comstock County, 6 November 1937, *Zeller 8349* (NY)
- occidentalis* Singer & Smith, 1960h: 42  
 HOLOTYPE: USA. California: Saratoga, 23 March 1919, *McMurphy 272* (NY)
- parksii* Singer & Smith, 1960h: 32  
 HOLOTYPE: USA. Oregon, Comstock County, 6 November 1937, *Zeller 8362* (NY)
- subfulva* Singer & Smith, 1960h: 35  
 HOLOTYPE: USA. Oregon: Clackamas County, 16 June 1939, *Gilkeys s.n.* (NY)
- thaxteri* Singer, 1969a: 357  
 HOLOTYPE: Argentina. Río Negro: Laguna Frías and Paso de las Nubes, 24 March 1963, *Singer M 3183* (BAFC)
- variabilispora* Singer & Smith, 1960h: 27  
 HOLOTYPE: USA. Oregon: Benton County, 4 October 1948, *Smith s.n.* (NY)
- vesiculos* Singer & Smith, 1960h: 29  
 HOLOTYPE: USA. Oregon: Comstock County, 20 October 1937, *Zeller 8323* (NY)

**MELANOLEUCA**

- brevispora* Singer, 1954b: 115, 116  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí, Cerro Otto, 12 May 1952, *Singer M 491* (LIL)
- catalaunica* Singer, 1935a: 124  
 Type information: Spain. Catalonia: Encantats, upper Pyrenees Mtns., July.
- crassotunicata* Singer, 1943a: 56  
 Type information: USSR-China. Mt. Tian Shan.
- cremeospora* Singer, 1989a: 20  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 9 March 1961, *Singer T 3684* (F)
- longispora* Singer, 1952c: 206  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 281* (LIL)

- luteolosperma* var. *styptica* Singer, 1969a: 67  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M* 3270 (BAFC)
- mackleri* Singer, 1989a: 20  
 HOLOTYPE: USA. California: Placerito Canyon State Park, 14 February 1982, *Singer N* 5018 (F)
- melanosarx* Singer, 1954b: 114, 115  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 15 May 1952, *Singer M* 646 (LIL)
- myceniformis* Singer, 1969a: 67  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, *Singer M* 5703 (BAFC)
- sparrei* Singer, 1953b: 5  
 HOLOTYPE: Argentina. Catamarca, between Minas Capillitas and Cerro Negro, 3 March 1952, *Sleumer & Sparre* [*Singer no.*] T 1923 (LIL)
- tucumanensis* Singer in Singer & Digilio, 1951e: 100  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 10-18 February 1950, *Singer T* 844 (LIL) [published in 1952]
- xavierii* Singer, 1989a: 21  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 9 March 1961, *Singer T* 3682 (F)

## MELANOMPHALIA

- argipoda* Singer, 1975b: 242  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 11 May 1973, *Singer B* 7365 (F)
- baeospora* Singer, 1973d: 93  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 19 April 1968, *Singer B* 6231 (F)
- columbiana* Singer, 1971d: 456  
 HOLOTYPE: Colombia. Boyacá: Arcabuco, 29 July 1960, *Singer B* 3587 (SGO)
- cortinariooides* Singer, 1971d: 450  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Puerto Blest, Los Cántaros, 10 November 1966, *Singer M* 6054 (BAFC)
- dwyeri* Singer, 1971d: 452  
 HOLOTYPE: New Guinea. Admin. Australia. Río Wahgi Valley, no date, *Dwyer* 1726 (K)
- emarginata* Singer, 1971d: 459  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 6 May 1967, *Singer M* 6746 (SGO)
- globulifera* Singer, Ovrebo & Lewis, 1990g: 48  
 HOLOTYPE: USA. Mississippi: Perry County, Black Creek Area, 22 July 1988, *Ovrebo* 2682 (F)
- hymenocephala* Singer, 1973d: 93  
 HOLOTYPE: Mexico. Veracruz: near Montepío, 20 June 1969, *Singer M* 8092 (F)

- inocyboides* Singer, 1971d: 461  
 HOLOTYPE: Chile. Valdivia: 25 km S toward Unión, 12 September 1967, *Singer M* 7768 (SGO)
- leucocephala* Singer, 1989a: 119  
 HOLOTYPE: Costa Rica. San José: San Gerardo de Dota, 3 August 1981, *Singer B* 12656 (F)
- mazatecorum* Singer, 1973d: 94  
 HOLOTYPE: Mexico. Oaxaca: Sierra Mazateca, 9 July 1969, *Singer M* 8385 (F)
- pacifica* Singer, 1971d: 463  
 HOLOTYPE: Chile. Llanquihué: 10 km N of Colaco, 9 May 1967, *Singer M* 6807 (SGO)
- platyphylla* Singer, 1971d: 454  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M* 6727 (SGO)
- universitaria* Singer, 1971d: 452  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer B* 3387 (BAFC)
- vernifera* Singer, 1971d: 449  
 HOLOTYPE: Chile. Llanquihue: Osorno, Lago Puyehue, 14 September 1967, *Singer M* 7523 (SGO)
- viscosa* Singer, 1971d: 447  
 HOLOTYPE: Chile. Llanquihue: Volcán Osorno, west slope, 12 May 1967, *Singer M* 6857 (SGO)

## MELANOTUS

- brevisporus* Singer, 1978h: 57  
 HOLOTYPE: Ecuador. Tungurahua: Puyo, 16 April 1973, *Singer B* 7130 (F)
- decapitatus* Singer, 1989a: 109  
 HOLOTYPE: Venezuela. Miranda: La Silla, 18 June 1971, *Dumont* VE 135 (NY)
- dumontii* Singer, 1989a: 110  
 HOLOTYPE: Colombia. Cundinamarca: between Fómenque and Calera, 10 July 1974, *Dumont and others* [*Dumont no.*] CO 1008 (F)
- heteroloma* Singer, 1989a: 110  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 4 February 1956, *Singer B* 867 (BAFC)
- matrisdei* Singer, 1989a: 111  
 HOLOTYPE: Bolivia. Amazonas: Pando, 28 March 1956, *Singer B* 2313 (BAFC)
- musacearum* Singer, 1989a: 111  
 HOLOTYPE: Brazil. Bahia: Urucuca, 8 June 1978, *Singer B* 11144 (INPA)
- patagonicus* Singer, 1969a: 258  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 17 March 1963, *Singer M* 3060 (BAFC)
- poliocephalus* Singer, 1978h: 58  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B* 7391 (F)

- polylepidis* Singer, 1973d: 84  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T 5215* (F)

## MICROMOPHALE

- austrochilense* Singer, 1969a: 84  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6687* (SGO)
- griseum* Singer, 1973d: 22  
 HOLOTYPE: Mexico. Veracruz: near Montepío, 30 July 1969, *Singer M 8752* (F)
- latisporum* Singer, 1973d: 23  
 HOLOTYPE: Colombia. Cauca: above Totorá, Páramo Gabriel López, San Pedro, 5 May 1968, *Singer B 6983* (F)
- macrosporum* Singer, 1973d: 24  
 HOLOTYPE: Brazil. Acre: Municipalidad Madureira, 7 October 1968, *Prance and others 7896* (F, NY)
- occidentale* Singer, 1973d: 24  
 HOLOTYPE: Colombia. Valle: western Cordillera, 2 May 1968, *Singer B 6902* (F)
- separatum* Singer, 1973d: 25  
 HOLOTYPE: Mexico. Chiapas: between Sosipiro and El Pozo, 4 August 1969, *Singer M 8943a* (F)
- tomentosum* Singer, 1965e: 35  
 HOLOTYPE: Brazil. Pernambuco: São Lourenço, 16 July 1960, *Singer B 3411* (BAFC)

## MICROPSALLIOTA

- cinnamomeopallida* Singer, 1982d: 37  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12460* (F)
- purpurea* Singer, 1978h: 48  
 HOLOTYPE: Ecuador. Napo: Sacha Norte, Sacha 4, 10 May 1973, *Singer B 7354* (F)

## MNIOPETALUM

- bisporum* Singer ex Singer, 1966a: 10  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Quebradita del Mastil, 25 April 1959, *Guerrero, Singer T 3335* (LIL, BAFC)
- megalosporum* Singer, 1969a: 87  
 HOLOTYPE: Chile. Valdivia, Fundo Universitario, 13 September 1967, *Singer M 7404* (SGO)

## MYCENA

- abieticola* Singer, 1973d: 37  
 HOLOTYPE: Mexico. Dto. Federal, near San Pedro, 16 July 1969, *Singer MA 33* (F)

- aconquijensis* Singer, 1959b: 382  
 HOLOTYPE: Argentina. Tucumán: Taficillo, 23 February 1955, *Singer T 2205* (LIL)
- adonis* var. *variegata* Singer, 1947c: 226  
 Type information: Spain. Catalonia: Salardú, 1934.
- aequatorialis* Singer, 1978h: 27  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B 7418* (F)
- agloea* Singer, 1989a: 69  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracarái, km 45, 25 July 1977, *Singer B 10124* (INPA)
- algeriensis* var. *hypoxera* Singer, 1969a: 139  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5593* (BAFC)
- algeriensis* var. *peraffinis* Singer, 1969a: 139  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, E slope, 7 May 1967, *Singer M 6781* (SGO)
- amazonica* Singer, 1983c: 112  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10826* (INPA)
- aosma* Singer, 1973d: 37  
 HOLOTYPE: Brazil. Pará: Belem, 10 June 1966, *Singer B 4265* (BAFC)
- arauciae* Singer, 1983c: 114  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B 10414* (INPA)
- asterophora* Singer, 1983c: 114  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B 7466* (F)
- atrocircrustata* Singer, 1969a: 132  
 HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 25 April 1965, *Singer M 3519 a* (BAFC)
- austroalcalina* Singer, 1959b: 384  
 HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2122* (LIL)
- austroavenacea* Singer, 1969a: 115  
 HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3125* (BAFC)
- austrocapillaris* Singer, 1959c: 391  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Quebrada Piedra Agujereada, 12 March 1955, *Sparre F 36* (S). Isotype: LIL?
- austrororida* Singer, 1959c: 393, 394  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Lower Quebrada Pangal, 24 March 1955, *Sparre F 66* (S)
- biornata* Singer, 1973d: 38  
 HOLOTYPE: Brazil. Pará: Belém, 10 July 1966, *Singer B 4267* (BAFC)
- biornata* var. *manausensis* Singer, 1983c: 114  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 21 July 1977, *Singer B 9785* (INPA)

- blechnophila* Singer, 1965i: 156  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3208* (BAFC)
- caesiocana* Singer, 1969a: 110  
 HOLOTYPE: Chile. Santiago: near Ranque, 6 July 1967, *Singer M 7156* (SGO)
- carminis* Singer, 1973d: 39  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 1 February 1956, *Singer s.n.* (LIL)
- castaneomarginata* Singer, 1989a: 70  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 6 November 1977, *Freire* [Singer no.] *B 10268* (INPA)
- castaneostipitata* Singer, 1989a: 70  
 HOLOTYPE: Costa Rica. Alajuela: Alto Berlin, 26 July 1981, *Singer B 12493* (F)
- chlorinosma* Singer, 1937: 232  
 HOLOTYPE: USSR. Leningrad: Botanical Gardens, May 1937 (LE?)
- chloroxantha* Singer, 1983c: 114  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10836* (INPA)
- chrysocorypha* Singer, 1938a: 197  
 HOLOTYPE: USSR. Oirotia: Kuraiski Khrebet, 19 August 1937, *Singer* (LE?)
- chusqueophila* Singer, 1965i: 159  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3202* (BAFC)
- cnaphocystis* Singer, 1989a: 70  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 15 December 1977, *Singer B 10317* (INPA)
- costaricensis* Singer, 1982d: 41  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer B 12479 a* (F)
- cyanella* Singer, 1969a: 110  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M 6706* (SGO)
- cianocephala* Singer, 1969a: 112  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 10 May 1965, *Singer M 5732* (BAFC)
- cyanosyringea* Singer, 1982d: 44  
 HOLOTYPE: Costa Rica. Puntarenas: Monteverde, Monteverde Cloud Forest Reserve, 29 December 1979, *Lodge 306* (F)
- debiliformis* Singer, 1978h: 28  
 HOLOTYPE: Ecuador. Tungurahua, along Ambato-Puyo road ca 73 km from Ambato, *Dumont EC 1418* (NY)
- delica* Singer, 1989a: 71  
 HOLOTYPE: Brazil. Bahia: Itabuna, 7 June 1978, *Singer B 11121* (INPA)
- depilata* Singer, 1989a: 72  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9634* (INPA)
- desfontaineae* Singer, 1965i: 157  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3211* (BAFC)
- dinae* Singer, 1973d: 39  
 HOLOTYPE: Argentina. Jujuy: near Posta de Lozano, 20 February 1966, *Singer & Sejzer T 5310* (F)
- discogena* Singer, 1959c: 388, 389  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, along path to El Camote, 18 March 1955, *Sparre F 58a* (S). Isotype: LIL?
- dryopteridis* Singer, 1959c: 387, 388  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Quebrada de la Damajuana, 3 March 1955, *Sparre F 15* (S). Isotype: LIL?
- dumontii* Singer, 1989a: 72  
 HOLOTYPE: Colombia. Cundinamarca: between Zipaquirá and Pacho, 9 June 1976, *Dumont CO 4476* (NY)
- endoglobulosa* Singer, 1978h: 29  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 11 May 1973, *Singer B 7362* (F)
- eucryphiarum* Singer, 1969a: 111  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M 5578* (BAFC)
- februaria* Singer, 1959b: 386  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 17 February 1955, *Singer T 2184* (LIL)
- fernandeziana* Singer, 1959c: 392  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Lower Quebrada Pangal, 18 March 1955, *Sparre F 69* (S). Isotype: LIL?
- fernandeziana* var. *osornoana* Singer, 1969a: 139  
 HOLOTYPE: Chile. Osorno: Lago Puyehue, 14 October 1967, *Singer M 7526* (SGO)
- fuscocystidiata* Singer, 1989a: 72  
 HOLOTYPE: Colombia. Valle : Cali, Buenaventura, Calima, 17 April 1968, *Singer B 6184* (F)
- gloeoloma* Singer, 1989a: 72  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B 10407* (INPA)
- glutinocothurnata* Singer, 1989a: 73  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10634* (INPA)
- gomezii* Singer, 1989a: 73  
 HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B 12387* (F)
- griseoradiata* Singer, 1989a: 74  
 HOLOTYPE: Costa Rica. Heredia: Puerto Viejo, OTS Station "La Selva", 23 December 1979, *Lodge 274* (F)

- griseoradiatella* Singer, 1989a: 74  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B* 10674 (INPA)
- griseorete* Singer, 1961b: 64  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 27 January 1956, *Singer B* 566 (LIL)
- haematopoda* var. *chilensis* Singer, 1969a: 107  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 7 May 1965, *Singer M* 5592 (BAFC)
- helminthobasis* Singer, 1969a: 137  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, E slope, 7 May 1967, *Singer M* 6760 (SGO)
- hemitrichialis* Singer, 1989a: 74  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B* 10851 (INPA)
- herbarum* Singer, 1943a: 138  
 Type information: USSR. Altai Mtns., Oirotia: near lake Telez. Rensem, August.
- heroica* Singer, 1959b: 387  
 HOLOTYPE: Argentina. Tucumán: Taficillo, 22 February 1955, *Singer T* 2235 (LIL)
- heterotrama* Singer, 1973d: 40  
 HOLOTYPE: Chile. Santiago: 2 km from Ranque, 6 July 1967, *Singer M* 7153 (SGO)
- hyalinotricha* Singer, 1969a: 124  
 HOLOTYPE: Chile. Llanquihué: 10 km N of Colaco, 9 May 1967, *Singer M* 6810 (SGO)
- hydropodoides* Singer, 1989a: 75  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 26 December 1977, *Singer B* 10421 (INPA)
- hypszyla* Singer, 1969a: 122  
 HOLOTYPE: Argentina. Buenos Aires: Sierra de la Ventana, 14 November 1962, *Singer S* 231 (BAFC)
- icterinoides* Singer, 1989a: 75  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 11 July 1977, *Singer B* 10087 (F)
- idroboi* Singer, 1973d: 41  
 HOLOTYPE: Colombia. Valle: Cali, 16 April 1968, *Singer & Idrobo* [*Singer no.*] B 6157 (F)
- igapoensis* Singer, 1989a: 76  
 HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 19 March 1980, Aguiar & Singer [*Singer no.*] B 12035 (INPA)
- indica* Singer, 1989a: 76  
 HOLOTYPE: India. Himachal Pradesh: Simla, Tutu, 20 August 1979, *Atri* 12 (F)
- intervenosa* Singer, 1989a: 77  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 6 April 1977, *Singer B* 9615 (INPA)
- ionocephala* Singer, 1989a: 77  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 June 1977, *Singer B* 10025 (INPA)
- ixoleuca* Singer, 1973d: 41  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 7 March 1956, *Singer s.n.* (BAFC)
- ioxantha* Singer, 1973d: 42  
 HOLOTYPE: Colombia. Cauca: near Vulcán Puracé, 30 April 1968, *Singer B* 6476 (F)
- juaniicola* Singer, 1959c: 390, 391  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, El Yunque, 6 March 1955, *Kunkel, Charpentier* [*Sparre no.*] F 23 (S). Iso-type: LIL?
- kermesina* Singer, 1986a: 406  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 31 October 1977, *Araujo Aguiar* [*Singer no.*] B 10252 (INPA). For species description see 1989a:77.
- kuhnri* Singer, 1943a: 138  
 Type information: USSR. Altai Mtns., August.
- kuthanii* Singer, 1989a: 78  
 HOLOTYPE: Czechoslovakia. Moravia: Moravsko-Slovanskie Beskydy, 20 April 1974, *Singer & Kuthan* [*Singer no.*] C 5605 (F)
- lacrimans* Singer, 1989a: 78  
 HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 4 December 1978, *Singer B* 11429 (INPA)
- lazoi* Singer, 1969a: 124  
 HOLOTYPE: Chile. Santiago: Cerro Robles, 17 June 1967, *Lazo & Singer* [*Singer no.*] M 6973 (SGO)
- lecythidacearum* Singer, 1989a: 79  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *Singer B* 9920 (INPA)
- leucoxantha* Singer, 1973d: 42  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 30 January 1956, *Singer B* 742 (LIL, BAFC)
- lohwegii* Singer, 1929b: 93  
 Type information: USSR. Caucasus.
- longicrinata* Singer, 1989a: 79  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B* 10106 (INPA)
- macrocystidiata* Singer, 1936i: 430  
 No type information.
- melandeta* Singer, 1973d: 43  
 HOLOTYPE: Mexico. Dto. Federal, between San Pedro de Nexapa &, Paso de Cortés, near Barranca de Ameyalco, 21 July 1969, *Singer MA* 051 (F)
- melenocephala* Singer, 1973d: 43  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 11 February 1966, *Singer T* 5032 (BAFC)
- metuloidifera* Singer, 1969a: 116  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M* 6572 (SGO)
- microjonia* Singer, 1989a: 80  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 29 August 1977, Aguiar & Singer [*Singer no.*] B 10143 (INPA)

- microleuca* Singer, 1965i: 157  
 HOLOTYPE: Argentina. Río Negro: Huapí Frías, 21 March 1963, *Singer M 3096/1* (BAFC)
- microleuroides* Singer, 1989a: 80  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3898* (F)
- micromelaena* Singer, 1989a: 81  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 November 1977, *Singer B 10276* (INPA)
- micromphale* Singer in Singer & Digilio, 1951e: 236  
 HOLOTYPE: Argentina. Tucumán: Las Lenguas, 29 February 1951, *Singer T 1268* (LIL) [published in 1952]
- micropolia* Singer, 1989a: 81  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 8 August 1977, *Singer B 10133* (INPA)
- microstena* Singer, 1989a: 81  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 10 August 1978, *Singer B 11357* (INPA)
- microtephra* Singer, 1989a: 82  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3918* (F)
- microtrichialis* Singer, 1989a: 82  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer B 10506a* (INPA)
- microxantha* Singer, 1989a: 82  
 HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 8 September 1978, *Singer B 11388* (INPA)
- minutuliaaffinis* Singer, 1969a: 131  
 HOLOTYPE: Chile. Valdivia: Los Conales, 14 May 1967, *Singer M 6909* (SGO)
- mostnyae* Singer, 1969a: 108  
 HOLOTYPE: Chile. Osorno: Puyehue, 13 May 1967, *Singer M 6867* (SGO)
- multicaudata* Singer, 1973d: 44  
 HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 24 July 1960, *Singer B 3501* (BAFC)
- munyozii* Singer, 1969a: 126  
 HOLOTYPE: Chile. Valparaíso: Quintero, 5 June 1967, *Villagrán* [Singer no.] *M 6951* (SGO)
- nanoclavula* Singer, 1989a: 82  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10829* (INPA)
- neospeirea* Singer, 1973d: 44  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 16 February 1956, *Singer B 1023* (BAFC)
- neotropicalis* Singer, 1989a: 82  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 24 April 1951, *Singer T 1523* (LIL). This is a new name for *Marasmuellus foliicola* Singer (1951e: 148).
- nothofagetorum* Singer, 1969a: 114  
 HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3115* (BAFC)
- nothomyriciae* Singer, 1959c: 389, 390  
 HOLOTYPE: Chile. Juan Fernández Island: Mása Tierra, path up to El Camote, 18 March 1955, *Sparre F 57* (S). Isotype: LIL?
- olivaceoalcalina* Singer, 1938a: 198  
 Type information: USSR. Oirotia, *Singer & Vasiliieva* (LE?)
- omniumsanctorum* Singer, 1969a: 137  
 HOLOTYPE: Chile. Llanquihué: Puella, 20 March 1959, *Singer M 1924* (SGO)
- omphalophora* Singer, 1978h: 30  
 HOLOTYPE: Ecuador. Tungurahua: Río Verde, 28 June 1973, *Singer B 7168* (F)
- oreadeoides* Singer, 1973d: 45  
 HOLOTYPE: Zaire. Kivu: Panzi-kivu, November 1948, *Goossens-Fontana 5068* (BR)
- palmivora* Singer, 1961b: 64  
 HOLOTYPE: USA. Florida, Highlands Hammock State Park, 11 August 1942, *Singer F 158* (F)
- pantopolia* Singer, 1989a: 82  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 20 February 1978, *Singer B 10683* (INPA)
- papilligera* Singer, 1978h: 31  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 13 May 1973, *Singer B 7393* (F)
- paraboliciformis* Singer, 1969a: 134  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 7 May 1964, *Singer M 3992* (BAFC)
- patagonica* Singer, 1969a: 121  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes, 24 March 1963, *Singer M 3164* (BAFC)
- pearsoniana* Dennis in Singer, 1958d: 233  
 HOLOTYPE: Mexico. Puebla: East slopes of Popocatpetl, 21 July 1957, *Singer M 1606* (LIL)
- piguicola* Singer, 1978h: 32  
 HOLOTYPE: Ecuador. Tungurahua: Puyo, 26 April 1973, *Singer B 7131* (F)
- piterbargii* Singer, 1969a: 116  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, above Puerto Manzano, 26 April 1964, *Piterbarg* [Singer no.] *M 3557* (BAFC)

- pluvialis* Singer, 1989a: 83  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 13 July 1977, *Singer B 10093* (INPA)
- poeциla* Singer, 1989a: 83  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10849* (INPA)
- poliocephala* Singer, 1989a: 84  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 9 February 1978, *Singer B 10625* (INPA)
- porphyrocephala* Singer, 1989a: 84  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 January 1978, *Singer B 10500* (INPA)
- pratensis* Singer, 1973d: 46  
 HOLOTYPE: Uruguay. Maldonado, 27 May 1966, *Singer B 4191* (BAFC)
- pseudoalnicola* Singer, 1969a: 133  
 HOLOTYPE: Argentina. Río Negro: near Santa María, 8 April 1963, *Singer M 3321* (BAFC)
- pseudostylotabes* Singer, 1973d: 46  
 HOLOTYPE: Mexico. Dto. Federal, Barranca Ameyalco, 14 km viae Paso de Cortés, 16 June 1969, *Singer MA 042* (F)
- ribesina* Singer, 1969a: 113  
 HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 11 March 1963, *Singer M 3500* (BAFC)
- rosaceifolia* Singer, 1973d: 47  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 12 February 1956, *Singer T 1102* (BAFC)
- rubrimontana* Singer, 1969a: 118  
 HOLOTYPE: Argentina. Neuquén: Cerro Colorado, 10 March 1959, *Singer M 1734* (LIL)
- saxegothaee* Singer, 1969a: 123  
 HOLOTYPE: Argentina. Río Negro: Santa María, 19 April 1965, *Singer M 5059* (BAFC)
- semipilosa* Singer, 1989a: 84  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10821a* (INPA)
- sosarum* Singer, 1959b: 389  
 HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T 2128* (LIL)
- sotae* Singer, 1961b: 62  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 10 February 1956, *Singer & Sota [Singer no.] B 1073* (LIL)
- squamulosa* Singer, 1961b: 63  
 HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, 4 January 1959, *Singer T 3175* (LIL)
- subinamyloidea* Singer, 1943a: 139  
 Type information: USSR. Altai Mtns. Central, August.
- subtenerrima* Singer, 1989a: 85  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 14 June 1977, *Singer B 9942* (INPA)
- subulifera* Singer, 1969a: 136  
 HOLOTYPE: Chile. Valdivia: 10 km N of Coiaco, 9 May 1967, *Singer M 6809* (SGO)
- sudorella* Singer, 1943a: 142  
 Type information: USSR. Altai Mtns.: Lake Telezkoje, August.
- tetrasphaerophora* Singer, 1959c: 392, 393  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, Quebrada de la Damajuana, 3 March 1955, *Sparre F 9* (S)
- trichocephala* Singer, 1973d: 47  
 HOLOTYPE: Brazil. Pará: Estanicia Pirelli, 7 June 1966, *Singer B 4232* (BAFC)
- triplotricha* Singer, 1959c: 386, 387  
 HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, path up to El Camote, 18 March 1955, *Sparre B 54* (S)
- turficola* Singer, 1969a: 130  
 HOLOTYPE: Chile. Valdivia: "Turbera Hernández", 6 May 1967, *Singer M 6745* (SGO)
- valdiviana* Singer, 1969a: 118  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 7 May 1967, *Singer M 5466* (BAFC)
- vasilievae* Singer, 1943a: 141  
 Type information: USSR. Altai Mtns.: Lake Telezkoje, August.
- xanthocephala* Singer, 1973d: 48  
 HOLOTYPE: Colombia. Valle: Cali, 15 April 1968, *Singer B 6148* (F)
- yalensis* Singer, 1973d: 48  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 9 February 1965, *Singer T 3909 a* (F)

## MYCENELLA Singer, 1938e: 9

Type species: *Mycena (Mycenella) margaritospora* Lange

*aristoteliae* Singer, 1959c: 380, 381

HOLOTYPE: Chile. Juan Fernández Island: Masa Tierra, lower part of Quebrada Pangal, 24 March 1955, *Sparre F 67* (S). Isotype: LIL?

*cyatheae* Singer, 1938e: 9

Type information: USSR. Leningrad, 1936, Tranzschel & Singer (LE?)

*fuliginosa* Singer, 1964d: 166

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Brazo Blest, path to "Los Cántaros", 23 March 1963, *Singer 3143* (BAFC)

*funebris* Singer, 1952c: 213

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 286* (LIL)

*minima* Singer, 1969a: 94

HOLOTYPE: Chile. Osorno: Puerto Octay, 15 September 1967, *Singer M* 7533 (SGO)

*polylepidis* Singer, 1989a: 44

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 16 February 1966, *Singer T* 5203 (BAFC)

*subtropicalis* Singer, 1953b: 7

HOLOTYPE: Argentina. Tucumán: Río Cochuna, 11 February 1952, *Singer T* 1840 (LIL)

## MYCOALVIMIA Singer, 1981a: 504

Type species: *Mycoalvimia theobromicola* Singer

*theobromicola* Singer, 1981a: 504

HOLOTYPE: Brazil. Bahia: Itabuna, 6 June 1978, *Singer B* 11102 (INPA)

## MYXOCOLLYBIA

*platycystis* Singer, 1943a: 118

Type information: USSR. Altai Mtns.: Artubash Oirotiae, aimak Turoczak, 9 January 1937.

## NAEMATOLOMA

*amazonicum* Singer, 1973d: 79

HOLOTYPE: Brazil. Rio Grande do Sul: Guaporé, Guajará mirim, 10 March 1956, *Singer B* 1802 (BAFC)

*castilloi* Singer, 1969a: 236

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 24 March 1963, *Singer M* 3133 a (BAFC)

*nudum* Singer, 1973d: 80

HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 March 1966, *Singer s.n.* (BAFC)

*popperianum* Singer, 1973d: 81

HOLOTYPE: USA. California: San Francisco, 20 February 1969, *Singer N* 2041 (F)

## NAUCORIA

*curvipes* Singer, 1954b: 135, 136

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 18 May 1952, *Singer M* 744 (LIL)

*macrospora* Singer, 1941e: 94

Type information: USSR. Tatar, Vasilieva (LE)?

*olivaceiceps* Singer, 1954b: 137

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 20 May 1952, *Singer M* 791 (LIL)

*olivaceonana* Singer, 1954b: 136, 137

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Isla Victoria, 17 May 1952, *Singer M* 727 (LIL)

*pallidissima* Singer in Singer & Digilio, 1951e:

366

HOLOTYPE: Argentina. Tucumán: Taff del Valle, Parque Aconquija, 24 November 1950, *Singer T* 1034 (LIL) [published in 1952]

*pantelaeodes* Singer, 1954b: 138

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 16 May 1952, *Singer M* 682 (LIL)

*polytropa* Singer, 1953a: 237

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M* 337 (LIL)

*praeandina* Singer, 1950a: 149

HOLOTYPE: Argentina. Tucumán: Quebrada de Lules, 2 April 1949, *Singer T* 373 (LIL)

*subvelutina* Singer, 1941e: 95

Type information: USSR. Altai Mtns.: Jaila, Singer & Vasilieva (LE). Also published in Singer, 1950h: 488 without Latin diagnosis.

*subvelutina* Singer, 1950a: 149

Type information: USSR. Altai Mtns.: near Artubash, 1 September 1937, *Singer A* 298 (LE).

Also published in Singer, 1941e: 95. This may be a later homonym.

## NEOCLITOCYBE Singer, 1961b: 55

Type species: *Omphalia byssiseda* Bres.

*aberrans* Singer, 1969a: 72

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 10 May 1965, *Singer M* 5731 (SGO)

*ciliata* Singer, 1989a: 25

HOLOTYPE: Brazil. Amazonas, Road Manaus-Itacoatjara, km 65, 8 October 1977, *Singer B* 10183 (INPA)

*latispora* Singer, 1973d: 22

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, 25 January 1955, *Singer T* 2082 (BAFC). The type information for this species is identical to that of *Marasmiellus clitocybe* Singer (1955c: 148), except for the herbarium of deposit.

*lifotama* Singer, 1967c: 359

HOLOTYPE: Zaire. Eala, September 1923, Goossens-Fontana 292 (BR)

*membranacea* Singer & Grinling, 1967c: 358

HOLOTYPE: Zaire. Brazzaville, February 1966, Grinling 60,209 (BAFC)

*microspora* Singer, 1969a: 71

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, *Singer M* 5738 (BAFC)

*myceliosa* Singer, 1961b: 56

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 16 February 1956, *Singer B* 1211 (LIL)

***portentosa*** Singer, 1961b: 56

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberaltas, 31 March 1956, *Singer B* 2368 (LIL)

***sanctaerosae*** Singer, 1989a: 26

HOLOTYPE: Bolivia. Pando: Manuripi, 22 March 1956, *Singer B* 2150 (LIL)

***sublateralis*** Singer, 1965e: 37

HOLOTYPE: Brazil. Pernambuco: Mata de São João, 16 July 1960, *Singer B* 3437 (BAFC)

**NEOHYGROPHORUS** Singer ex Singer, 1961b: 46

Type species: *Hygrophorus angelesianus* Smith & Hesler

**NEOPAXILLUS** Singer, 1948a: 262

Type species: *Neopaxillus echinosporus* Singer

***echinosporus*** Singer, 1948a: 262

HOLOTYPE: Brazil. near Couto, 1936, Rick (FH)

***plumbeus*** Singer & Lodge, 1988i: 207, 208

HOLOTYPE: USA. Puerto Rico: Luguillo Mtns., Caribbean National Forest, El Verde, 5 September 1986, *Lodge & Prieto PR* 38 (F)

**NEOSECOTIUM** Singer & Smith, 1960e: 154

Type species: *Secotium macrosporum* Lloyd

**NIVATOGASTRIUM** Singer & Smith, 1959g: 224

Type species: *Secotium nubigenum* Harkness

**NOLANEA*****subcaelestina*** Singer, 1949b: 91

Type information: Finland. Karelia: Kivacz, 24 August 1936 (LE?)

**NOTHOCLAVULINA** Singer, 1970a: 18

Type species: *Nothoclavulina ditopa* Singer

***ditopa*** Singer, 1970a: 18

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 10 April 1949, *Singer & Digilio* [Singer no.] T 403 (LIL). The type information is identical to that of *Armillariella ditopa* Singer (1950c: 191).

**NOTHOPANUS** Singer, 1944a: 364

Type species: *Agaricus (Pleurotus) eugrammus* Mont.

***amarescens*** Singer, 1973d: 20

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos near Recife, 21 July 1964, *Singer B* 5502 (BAFC)

***tropicalis*** Singer, 1973d: 19

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 17 March 1956, *Singer B* 2081 (LIL, BAFC)

**OCTAVIANINA*****macrospora*** Singer & Smith, 1960h: 9

HOLOTYPE: USA. Oregon: Clackamas County, 9 August 1937, *Rogers s.n.* (NY)

***papyracea*** Singer & Smith, 1960h: 13

HOLOTYPE: USA. California, Trinidad, 21 November 1939, *Parks* 6347 (NY)

***rogersii*** Singer & Smith, 1960h: 12

HOLOTYPE: USA. Oregon: Benton County, 24 May 1939, *Rogers s.n.* (NY)

**OMPHALIA*****swanetica*** Singer, 1931: 530

Type information: USSR. Caucasus: Khä.

**OMPHALINA*****antarctica*** Singer, 1956b: 16

HOLOTYPE: Antarctica. Shetlands Meridionales: Decepción, *Behn & Sparre* [Sparre no.] T 2009 (LIL)

***baeospora*** Singer, 1977c: 120

HOLOTYPE: Czechoslovakia. Moravia: Ostrava, 19 July 1974, *Veselsky, Kuthan & Singer* [Singer no.] C 5577 (F)

***columbiana*** Singer, 1970a: 20

HOLOTYPE: Colombia. Cundinamarca: Páramo above Pacho, near road to Bogota, 26 July 1960, *Singer B* 3531 (BAFC)

***defibulata*** Singer, 1952c: 190

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 18 February 1950, *Singer M* 355 (LIL)

***infumata*** Singer, 1989a: 13

HOLOTYPE: Czechoslovakia. Slovakia, between Kežmarsko & Kežmarské & Zlaby, 7 September 1974, *Singer & Kuthan* [Singer no.] J C 5921 (F)

***mostnyae*** Singer, 1973d: 15

HOLOTYPE: Chile. Santiago: Quebrada Diego, 6 July 1967, *Singer M* 7130 (SGO)

***oreades*** Singer, 1946g: 123

HOLOTYPE: USA. New Hampshire: White Mtns. (FH?). [Published in 1948].

***pyxidata* var. ***pluviarum***** Singer in Singer & Digilio, 1951e: 67

HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T* 1497 (LIL) [published in 1952]

## OMPHALINA

*subobscura* Singer, 1970a: 21

HOLOTYPE: Argentina. Tucumán: San Pedro de Colalao, 23 January 1955, *Singer T 2057* (LIL)

*subumbratilis* Singer, 1970a: 23

HOLOTYPE: Argentina. Tucumán: upper part of La Angostura, near Mollar, 29 January 1962, *Singer T 3766* (BAFC)

*umbratilis* var. *depauperata* Singer & Cléménçon, 1972b: 318, 319

HOLOTYPE: Switzerland. Valais: River Borgne de Ferpècle, 11 July 1971, *Singer C 5460* (F)

## OUDEMANSIELLA

*echinosperma* Singer, 1945d: 439

HOLOTYPE: Brazil. Río Grande do Sul: São Leopoldo, Rick (FH). Deposited as *Collybia napipes*.

*glutinosa* Singer, 1989a: 43

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 22 April 1968, *Singer B 6287* (F)

*hygrophoroides* Singer & Cléménçon, 1971b: 124

HOLOTYPE: Switzerland. Vaud: Bois d'Apples, 10 July 1971, *Cléménçon 710710* (LAU)

*linicolor* Grinling ex Singer, 1989a: 43

HOLOTYPE: Zaire. Brazzaville: Fort de Mandiel, 1968, *Bouquet [Grinling no.] 71201* (F)

*macracantha* Singer, 1961b: 59

HOLOTYPE: Bolivia. Pando: Madre de Dios, 5 April 1956, *Singer B 2525* (LIL)

*subnigra* Singer, 1989a: 44

HOLOTYPE: Brazil. Amazonas: Ponta Negra, 18 July 1977, *Singer B 10350* (INPA)

## PACHYLEPYRIUM Singer, 1957h: 321

[published in 1958]

Type species: *Phaeomarasmius fulvidula* Singer in Singer & Digilio

*squarrulosum* Singer, 1969a: 281

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 29 April 1967, *Singer M 6550* (SGO)

## PALAEOCEPHALA Singer, 1961b: 60

Type species: *Marasmius cymatelloides* Dennis & Reid

## PANAEOLOPSIS Singer, 1969a: 367

Type species: *Panaelopsis sanmartiniana* Singer

*brasiliensis* Singer, 1976j: 62

HOLOTYPE: Brazil. Rio de Janeiro: Cabo Frio, near Canal, 16 -17 October 1966, *Jezek 28* (F)

*sanmartiniana* Singer, 1969a: 367

HOLOTYPE: Argentina. Mendoza: Las Heras, Parque General San Martín, 14 February 1939, *Leal 6591* (BAFC)

## PANAEOLUS

*convexus* Singer, 1965i: 161

HOLOTYPE: Chile. Moleros, 25 March 1959, *Singer M 2025* (BAFC)

*moellerianus* Singer, 1960j: 123

HOLOTYPE: Australia. Macquarie Island: Half Moon Bay, 28 March 1950 (MICH)

## PANELLUS

*cystidiatus* Singer in Singer & Digilio, 1951e: 122

HOLOTYPE: Argentina. Tucumán: Río Cochuna, 20 February 1951, *Singer s.n.* (LIL) [published in 1952]

*dumontii* Singer, 1978h: 21

HOLOTYPE: Ecuador. Pichincha, 36 km from Quito on the Quito-Tandayapa Rd., 6 August 1975, *Dumont and others EC 2338* (NY)

*mirabilis* Singer, 1955a: 770

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 12 August 1942, *Singer F 188* (F)

*nubigenus* Singer, 1969a: 88

HOLOTYPE: Colombia. Boyacá: between Ramiriquí and Rondón, 30 July 1960, *Singer B 3650* (BAFC)

*nubigenus* ssp. *australis* Singer, 1969a: 89

HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 25 April 1964, *Singer M 3529* (BAFC)

*pteridophytorum* Singer, 1973d: 31

HOLOTYPE: Mexico. Oaxaca: San Augustín, 10 July 1969, *Singer M 8437* (F)

*stenocystis* Singer, 1973d: 32

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1965, *Singer T 4055* (F)

## PANUS

*semirudis* Singer, 1936f: 142

Type information: USSR.

## PAXILLUS

*amazonicus* Singer in Singer & Lodge, 1988i: 210

HOLOTYPE: Peru. Loreto: Río Yarapa, SE of Iquitos, March 1986, *Gerry Miller s. n.* (F)

*boletinoides* Singer in Singer & Digilio, 1951e: 431

HOLOTYPE: Argentina. Tierra del Fuego: Estancia Nueva Argentina, 14 February 1950, *Singer M 264* (LIL) [published in 1952]

- boletinoides* var. *leucopus* Singer, 1964c: 104  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Río Frías, 15 March 1959, *Singer M 1808* (LIL)
- defibulatus* Singer in Singer & Digilio, 1951e: 434  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 11 February 1950, *Singer M 181* (LIL) [published in 1952]
- defibulatus* var. *unicolor* Singer in Singer & Digilio, 1951e: 436  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 18 February 1950, *Singer M 341* (LIL) [published in 1952]
- guttatus* Singer, 1961h: 15  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 5 July 1960, *Singer B 3057* (LIL)
- polychrous* Singer, 1937: 226  
 HOLOTYPE: USSR. Western Caucasus (LE?)
- PEGLEROMYCES** Singer, 1981a: 500  
 Type species: *Pegleromyces collybioides* Singer
- collybioides* Singer, 1981a: 500  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 2 January 1978, *Singer B 10469* (F)

## PHAEOCOLLYBIA

- amazonica* Singer, 1961b: 77  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 31 March 1956, *Singer B 2372* (LIL)
- attenuata* ssp. *mexicana* Singer, 1957a: 367  
 HOLOTYPE: Mexico. Dto. Federal, between San Pedro de Nexapa and Paso Cortés, 21 July 1957, *Singer M 1586* (MICH)
- brasiliensis* Araujo ex Singer, 1987b: 257  
 HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 7 January 1979, *Singer B 11473* (INPA) (Type: 102712)
- columbiana* Singer, 1970a: 6  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, San Joaquín, 22 April 1968, *Singer B 6274* (F)
- elaeophylla* Singer, 1987b: 257  
 HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 26 May 1978, *Singer B 11063* (INPA)
- flava* Araujo ex Singer, 1987b: 258  
 HOLOTYPE: Brazil. Amazonas: 30 km to Manaus, Embrapa, 14 June 1977, *Singer B 9976* (INPA)
- megalospora* Araujo ex Singer, 1987b: 259  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 11 July 1977, *Singer & Araujo* [*Singer no.*] *B 10082* (INPA: 102698)

- megalospora* var. *tetraspora* Singer, 1987b: 259  
 HOLOTYPE: Brazil. Amazonas: 30 km to Manaus, Embrapa, 14 June 1977, *Singer B 9975* (INPA: 100937).
- oligoporpa* Singer, 1987b: 250  
 HOLOTYPE: Costa Rica. San José: La Chonta, along Interamerican Highway, km 55, 11 July 1982, *Gómez 18196* (F)
- quercketorum* Singer, 1987b: 254  
 HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B 12399* (F)
- subarduennensis* Singer, 1987b: 252  
 HOLOTYPE: Costa Rica. San José: Cerro de la Muerte, 2 August 1981, *Gómez & Singer [Singer no.] B 12583a* (F)
- subattenuata* Singer, 1961b: 78  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, 5 April 1957, *Singer B 2510* (LIL)

## PHAEODEPAS

- nutans* Singer, 1973d: 28  
 HOLOTYPE: Colombia. Valle: Mun. Cali, 15 April 1968, *Singer B 6155* (F)

## PHAEOGYROPORUS

- Singer, 1944a: 360  
 Type species: *Boletus braunii* Bres.  
*beniensis* Singer & Digilio, 1960i: 150  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 6 March 1956, *Singer B 1613* (LIL)

## PHAEOMARASMIUS

- ciliatus* Singer, 1953a: 250  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 15 February 1950, *Singer M 288* (LIL)
- confragosuliformis* Singer, 1969a: 299  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 7 May 1967, *Singer M 6773* (SGO)
- confragosulus* Singer, 1953b: 20  
 HOLOTYPE: Argentina. Tucumán: Río Cochuna, 11 February 1952, *Singer T 1826* (LIL)
- fulvidula* Singer in Singer & Digilio, 1951e: 390  
 HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T 1495* (LIL) [published in 1952]
- fuscomarginatus* Singer, 1969a: 294  
 HOLOTYPE: Chile. Colchagua: Pumanque, 14 June 1967, *Lazo PU-99* (SGO)
- gregarius* Singer, 1959n: 586  
 HOLOTYPE: USA. Virginia: Giles County, Mt. Lake Biological Station, *Singer V 302* (FH). Also see Schweiz. Zeitschr. Pilzk. 34 (4): 58, 1956.

*limulatellus* Singer, 1953a: 254

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M 438* (LIL)

*littoralis* Singer, 1989a: 113

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez 18682* (F)

*malvacearum* Singer in Singer & Digilio, 1951e: 389

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 31 July 1949, *Singer T 604* (LIL) [published in 1952]

*mercedis* Singer, 1989a: 114

HOLOTYPE: Colombia. Cundinamarca: Bojacá, 8 April 1968, *Singer B 6023* (F)

*mucronosporus* Singer, 1969a: 293

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, between Laguna Frías and Paso de las Nubes, 4 May 1964, *Singer M 3955* (BAFC)

*myrceugenellae* Singer, 1969a: 298

HOLOTYPE: Chile. Valdivia: Hueycolla, 1 May 1967, *Singer M 6581* (SGO)

*nebularum* Singer, 1961b: 75

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 28 January 1956, *Singer B 637* (LIL)

*oligosporus* Singer, 1989a: 114

HOLOTYPE: Brazil. São Paulo: Serra de Canareira, 17 December 1964, *Singer B 4122* (F)

*pascuus* Singer, 1989a: 115

HOLOTYPE: Uruguay. Maldonado, 27 May 1966, *Singer B 4181* (BAFC)

*rostratus* Singer, 1953a: 252

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, *Singer M 318* (LIL)

*spadiceospinulosus* Singer, 1973d: 88

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 9 February 1956, *Singer B 1047* (BAFC)

*speireoides* var. *chilensis* Singer, 1969a: 295

HOLOTYPE: Chile. Llanquihue: Puella, 22 March 1959, *Singer M 2003* (BAFC)

*subincarnatus* var. *gilyus* Singer, 1969a: 292

HOLOTYPE: Argentina. Río Negro: Laguna Frías, and Paso de las Nubes, 24 March 1963, *Singer M 3170* (BAFC)

*terrigenus* Singer, 1973d: 88

HOLOTYPE: Mexico. Veracruz: Jalapa, Tlilapa, 24 June 1969, *Singer M 8198* (F). Also published in Singer, 1989a: 115.

## PHAEOMYCENA

*macrospora* Singer in Singer & Digilio, 1951e: 176

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 27 January 1951, *Singer T 1141* (LIL) [published in 1952]

## PHELLINITES

Singer & Archangelsky, 1957e: 41

Type species: *Phellinites degiustoi* Singer & Archangelsky

*degiustoi* Singer & Archang., 1957e: 41

Type information: Argentina. Santa Cruz, 66 (LIL)

## PHLEBOPUS

*brasiliensis* Singer, 1983f: 43

HOLOTYPE: Brazil. Amazonas, 14 April 1980,

*Araujo & Singer* [*Singer no.*] *B 12098* (INPA)

*viperinus* Singer, 1947a: 5

Type information: Type in FH.

## PHOLIOTA

*agrocybiformis* Singer, 1969a: 276

HOLOTYPE: Chile. Llanquihue: between Ensenada and Raln, 18 May 1967, *Singer M 7598* (SGO)

*alnea* Singer in Singer & Digilio, 1951e: 336

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T 1398* (LIL) [published in 1952]

*aurantioalbida* Singer, 1969a: 259

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3127* (BAFC)

*baeosperma* Singer, 1953a: 217

HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano, Cabecera del Lago, 19 February 1950, *Singer M 368* (LIL)

*blechni* Singer, 1965i: 170

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, *Singer M 3217* (BAFC)

*calendulina* Singer in Singer & Digilio, 1951e: 337

HOLOTYPE: Argentina. Tucumán: Santa Rosa, 17 December 1950, *Singer T 1057* (LIL) [published in 1952]

*glutinigera* Singer, 1959n: 585

HOLOTYPE: Argentina. Tucumán: Taficillo, 23 February 1955, *Singer T 2217* (LIL)

*intermedia* Singer, 1929b: 107

Type information: USSR. Caucasus: Kodor, Saken, September.

*irazuensis* Singer, 1989a: 112

HOLOTYPE: Costa Rica. Cartago: Reventado Irazu, October 1982, *Gómez 18580* (F)

*kubickae* Singer & Cléménçon, 1971b: 126

HOLOTYPE: Czechoslovakia. Bohemia: near Trboň in Südböhmen, 30 September 1970, *Kubicka & Singer* [*Singer no.*] *C 5228* (F)

*maackiae* Singer, 1946g: 142

Type information: USSR. Khabarovsk Krai, 15 September 1939, *Lyubarski* (LE). [Published in 1948].

*majalis* Singer, 1969a: 269

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 9 May 1965, Singer M 5535 (BAFC)

*marthae* Singer, 1969a: 261

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Mirador, 6 May 1967, R. &amp; M. Singer M 6734 (SGO)

*megalosperma* Singer, 1953a: 216

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 17 February 1950, Singer M 336 (LIL)

*microcarpa* Singer, 1969a: 277

HOLOTYPE: Argentina. Río Negro: Laguna Frías, path to Paso de las Nubes, 24 March 1963, Singer M 3169 (BAFC)

*montana* Singer, 1965i: 169

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28 March 1963, Singer M 3214 (BAFC)

*myxacioides* Singer, 1969a: 268

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 10 May 1965, Singer M 5707 (BAFC)

*naucoroides* Singer, 1955a: 74

HOLOTYPE: Brazil. Paraná: Paranaguá, 27 September 1952, Singer B 410 (F)

*novembries* Singer, 1969a: 267

HOLOTYPE: Argentina. Río Negro: Laguna Frías, path to the Paso de las Nubes, 19 November 1954, Singer M 4054 (BAFC)

*oedipus* var. *chilensis* Singer, 1970d: 787

HOLOTYPE: Chile. Colchagua: Pumanque, 1967, Lazo PU-90 (SGO)

*psathyelloides* Singer, 1969a: 276

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Puerto Blest, Los Cántaros, 15 March 1959, Singer M 1827 (BAFC)

*septembris* Singer, 1969a: 275

HOLOTYPE: Chile. Llanquihué: Salto de Petrohu, 17 September 1967, Singer M 7588 (SGO)

*spumosa* var. *chrysocystidiophora* Singer, 1969a: 274

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6716b (SGO)

*spumosa* var. *crassitunicata* Singer, 1969a: 272

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6712 (SGO)

*varzeae* Singer, 1989a: 113

HOLOTYPE: Brazil. Amazonas: Paraná do Januacá, 23 May 1980, Singer B 12177 (F)

## PHOLIOTINA

*altaica* Singer, 1941e: 98

Type information: USSR. Altai Mtns., Singer &amp; Vasilieva (LE). Also published in Singer, 1950a: 140, with more information: USSR. Altai Mtns.: Kurai, Singer &amp; Vasilieva A 728, (LE).

*altoandina* Singer, 1989a: 105

HOLOTYPE: Colombia. Risaralda: Valle de la Quebrada Betania, 25 January 1980, Boekhout 361 (F)

*australis* Singer, 1969a: 214

HOLOTYPE: Argentina. Río Negro: Laguna Frías, path to the Paso de las Nubes, 22 March 1963, Singer M 3137 (BAFC)

*austrofilaris* Singer, 1969a: 217

HOLOTYPE: Argentina. Neuquén: Rincón, 13 March 1963, Singer M 3537 (BAFC)

*caricicola* Singer, 1989a: 106

HOLOTYPE: Colombia. Risaralda: Santa Rosa de Cabal, 26 January 1980, Boekhout 370 (F)

*filaris* var. *ochracea* Singer, 1950h: 429

Type information: USSR. Altai Mtns. (LE). No Latin diagnosis.

*filaris* var. *recedens* f. *subochracea* Singer, 1950h: 430

Type information: USSR. Altai Mtns. (LE). No Latin diagnosis.

*maireiaffinis* Singer, 1989a: 106

HOLOTYPE: USA. Illinois: Ogle County, 9 October 1976, Singer N 7591 (F)

*microspora* Singer, 1989a: 107

HOLOTYPE: USA. Illinois: Cook County, 16 October 1983, Singer N 5147 (F)

*procera* Singer, 1941e: 98

Type information: USSR. Altai Mtns.: Artubash, Singer &amp; Vasilieva (LE?) Also published in Singer, 1950a: 142, with more type information: USSR. Altai Mtns.: Oirotia, Artubash, 17 September 1937, Singer &amp; Vasilieva A 1148 (LE).

*ruizlealii* Singer, 1969a: 216

HOLOTYPE: Argentina. Mendoza: Las Heras, Sanchon de los Ciruelos, Leal 4.614 (BAFC). Also in Ruiz Leal's herbarium.

*septentrionalis* ssp. *vasilievae* Singer, 1941e: 98

Type information: USSR. Western Caucasus, 1936, Vasilieva (LE?)

*tucumana* Singer, 1973d: 77HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 1 May 1949, Singer T 1199 (LIL). Deposited under *P. filaris*.*verrucispora* Singer, 1969a: 213

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 18 April 1965, Singer M 5048 (BAFC)

## PHYLLOBOLETELLUS Singer in Singer & Digilio, 1951e: 438 [published in 1952]

Type species: *Phylloboletellus chloephorus* Singer *chloephorus* Singer in Singer & Digilio, 1951e: 438

HOLOTYPE: Argentina. Tucumán, Río de los Sosas, 27 January 1951, T 1126 (LIL) [published in 1952]

## PHYLLOBOLITES

**PHYLLOBOLITES** Singer, 1942b: 59

Type species: *Paxillus miniatus* Rick

## PHYLLOPORUS

*caballeroi* Singer, 1973d: 101

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, Singer T 5150 (F)

*centroamericanus* Singer & Gómez, 1984g: 169  
HOLOTYPE: Costa Rica. San José: La Chonta, September 1983, Gómez 18413 (F)

*fibulatus* Singer, Ovrebo & Halling, 1990c: 452  
HOLOTYPE: Colombia. Antioquia, Along road from Santa Rosa de Osos to San José de la Montaña, 25 November 1986, Ovrebo 2546 (HUA). Isotype: NY.

*gymnocystis* Singer, 1989a: 124

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 20 July 1973, Singer B 11310 (INPA)

*lariceti* Singer, 1938d: 170

HOLOTYPE: USSR. Altai Mtns.: Lake Telezkoje, September, Vasilieva & Singer (LE?)

*leucomycelinus* Singer ex. Singer, 1978a: 426  
HOLOTYPE: USA. Michigan: Warren Woods, 23 July 1973, Ponce de León & Singer [Singer no.] N 7674 (F). Also see 1984g: 176

*manausensis* Singer, 1978a: 424

HOLOTYPE: Brazil. Amazonas: Manaus, August 1977, Singer B 9790 (F)

*phaeoxanthus* Singer & Gómez, 1984g: 171

HOLOTYPE: Costa Rica. San José: Jardín de Dota, 6 km W of Empalme, July 1983, Gómez & Alfaro 20583 (F)

*phaeoxanthus* var. *simplex* Singer & Gómez, 1984g: 173

HOLOTYPE: Costa Rica. San José: Empalme, 1.1 km E of "La Perla" restaurant., July 1983, Gómez & Alfaro 20623 (F)

*purpurellus* Singer, 1973d: 100

HOLOTYPE: Colombia. Cauca: near Cali Popayán, 29 June 1968, Singer B 6775 (F)

## PHYSOCYSTIDIUM

Singer, 1962b: 410

Type species: *Collybia cinnamomea* Dennis

## PISTILLARIA

*saxegothaeae* Singer, 1969a: 387

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, W slope, 30 March 1963, Singer M 3256 (BAFC)

## PLEUROCOLLYBIA

Singer, 1947b: 80

Type species: *Collybia (Gymnopus) praemultifolia* Murr.

*apoda* Singer, 1955a: 769

HOLOTYPE: Panama. Zona Canalis: Río Sardinilla, 10 July 1952, Martin & Welden 7518 (F, IA)

*cibaria* Singer, 1963h: 207

HOLOTYPE: Peru. Cuzco: Urubamba, Chicón, no date, Zamalloa 201 (BAFC)

*paradoxa* Singer, 1969a: 55

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6713 (SGO)

*pulcherrima* Singer, 1978h: 12

HOLOTYPE: Colombia. Cundinamarca: Hacienda La Soche Granada, 23 July 1974, Dumont CO 1903 (NY)

## PLEUROCYBELLA

Singer, 1947b: 81

Type species: *Pleurotus porrigens* Pers.: Fr.

## PLEUROFLAMMULA

Singer, 1946d: 521

Type species: *Crepidotus dussii* Pat.

*chocoruensis* Singer, 1947g: 88

HOLOTYPE: USA. New Hampshire: Mt. Chocorua, 21 September 1905, Krieger and Farlow (FH). [Published in 1948].

*fluminensis* Singer, 1973d: 86

HOLOTYPE: Brazil. Rio Grande do Sul: Guanabara, Corcovado, February-March, 1924, Murrill 246 (NY)

*majuscula* Singer, 1969a: 282

HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, Singer M 6729 (SGO)

*squarrulosa* Singer, 1973d: 86

HOLOTYPE: Colombia. Valle: Mun. Cali, 2 May 1968, Singer B 6915 (F)

## PLEUROMYCENULA

Singer, 1973d: 27

Type species: *Pleuromycenula ellipsoidea* Singer.

*circularis* Singer, 1973d: 28

HOLOTYPE: Colombia. Valle: Río Pance, 3 May 1968, Singer B 6961 (F)

*ellipsoidea* Singer, 1973d: 27

HOLOTYPE: Mexico. México: near Barranca de Ameyalco, 16 July 1969, Singer MA 0007 (F)

*flava* Singer, 1978h: 42

HOLOTYPE: Colombia. Valle: Cali, Buenaventura, Calima, 18 April 1968, Singer B 6208 (F)

## PLEUROTELLUS

*fibulatus* Singer, 1955a: 776

HOLOTYPE: USA. Oregon: Benton County, Mt. Alsea, 4 November 1939, Doty 723a (F)

**PLEUROTUS***araucariicola* Singer, 1953d: 141HOLOTYPE: Brazil. Rio Grande do Sul: Taimbesinho, 5 November 1951, *Singer B* 89 (LIL)*citrinopileatus* Singer, 1943a: 149

Type information: USSR. Khabarovsk Krai: Khabarovsk, July-October.

*favoloides* Singer, 1989a: 2HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 26 April 1978, *Singer B* 10990 (INPA)*floridanus* Singer, 1946g: 134HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 15 August 1942, *Singer F* 217 (FH). [Published in 1948].*geesterani* Singer, 1961b: 45HOLOTYPE: South Africa. Cape: Humansdorp District, 2 December 1949, *Maas Geesteranus* 6736 (L)*lindquistii* Singer, 1960b: 216HOLOTYPE: Argentina. Buenos Aires: Ensenada, Punta Lara, 21 April 1960, *Lindquist & Singer S* 194 (LIL)*microleucus* Singer, 1978h: 6HOLOTYPE: Ecuador. Morona Santiago, 7 km from Mendez on the Mendez-Macas Rd., 2 August 1975, *Dumont and others* [*Dumont no. J EC* 2219 (NY)]*ostreatoroseus* Singer, 1961h: 10HOLOTYPE: Brazil. Pernambuco: Camaragibe, 14 July 1960, *Singer B* 3407 (LIL)*sutherlandii* Singer, 1952c: 211HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M* 151 (LIL)**PLUTEUS***agriensis* Singer, 1978h: 46HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B* 7421 (F)*albostipitatus* var. *poliobasis* Singer, 1973d: 64HOLOTYPE: Mexico. Veracruz: near Tuxtla, 21 June 1961, *Singer M* 8117 (F)*amazonicus* Singer ex Singer, 1989a: 93HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 10 October 1977, *Singer B* 10187 (INPA)*amphycystis* Singer, 1958g: 213HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 26 March 1956, *Singer B* 2249 (LIL)*angustisporus* Singer, 1958g: 206HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B* 2497 (LIL)*aporpus* Singer, 1954b: 122, 123HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 16 May 1952, *Singer M* 675a (LIL)*aporpus* f. *porpophorus* Singer, 1961a: 115, 130HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, 6 March 1959, *Singer M* 1676 (LIL)*aquosus* Singer, 1956c: 148HOLOTYPE: Argentina. Tucumán: East slope of Taficillo, 23 February 1955, *Singer T* 2208 (LIL)*argentinensis* Singer, 1958g: 230HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T* 2139 (LIL)*atriavellaneus* var. *coquimbensis* Singer, 1969a: 155HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6509 (SGO)*atriavellaneus* var. *flavidopubescens* Singer, 1961a: 123, 131HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 1 August 1958, *Dennis* 1756a (LIL, K)*atriavellaneus* var. *parvus* Singer, 1958g: 248HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Taficillo, 4 March 1951, *Singer T* 1389 (LIL)*beniensis* Singer, 1958g: 285HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberaltas, 30 March 1956, *Singer B* 2346 (LIL)*burserae* Singer, 1958g: 268HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Ríos Suapi, 9 February 1956, *Singer B* 1061 (LIL)*cervinus* var. *minor* Singer, 1947c: 228

Type information: Spain. Catalonia: Ribera de Sant Maurici, 1934.

*cervinus* var. *tucumanensis* Singer in Singer & Digilio, 1951e: 254HOLOTYPE: Argentina. Tucumán: near Taff del Valle, Quebradita, 14 December 1949, *Singer T* 772 (LIL) [published in 1952]*chrysophlebius* ssp. *sublaevigatus* Singer, 1958g: 278HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Charobamba, 13 February 1956, *Singer B* 1147 (LIL)*cinerellus* Singer, 1956c: 156HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 28 August 1942, *Singer F* 427 (F)*circumserratus* Singer, 1958g: 226HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 17 February 1956, *Singer B* 12185 (LIL)

- defibulatus* Singer, 1952c: 222  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M 435* (LIL)
- dennisi* Singer ex Singer, 1989a: 97  
 HOLOTYPE: Trinidad. Non Pareil, Sangre Grande, 11 October 1949, *Dennis 152* (K)
- diptychocystis* Singer, 1954b: 123, 124  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Isla Victoria, 17 May 1952, *Singer M 725* (LIL)
- dominicanus* Singer, 1961a: 129, 131  
 HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 1 August 1958, *Dennis 1772* (LIL, K)
- eliae* Singer, 1958g: 290  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquistia, 25 March 1956, *Singer & E.R. de la Sota B 2193* (LIL)
- espeletiae* Singer, 1961a: 120, 130  
 HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 23 July 1958, *Dennis 1720* (LIL, K)
- eucryphiae* Singer, 1969a: 153  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, W slope, 7 May 1965, *Singer M 5567* (BAFC)
- exilis* Singer, 1989a: 94  
 HOLOTYPE: USA. California: Marin County, 14 January 1983, *Singer N 5105* (F)
- exilis* var. *austriacus* Singer, 1989a: 94  
 HOLOTYPE: Austria. Burgenland: Siegendorf, 19 September 1979, *Singer C 9457* (WU)
- fallax* Singer, 1958g: 294  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, Parque Aconquija, 24 March 1949, *Singer T 272* (LIL)
- fastigiatus* Singer in Singer & Digilio, 1951e: 259 [published in 1952]  
 HOLOTYPE: Argentina. Tucumán: Santa Rosa, 17 December 1950, *Singer T 1054* (LIL) [Published in 1952]
- fernandezianus* Singer, 1958g: 220  
 HOLOTYPE: Chile. Juan Fernandez: Masatiera, Quebrada Agujereada, 12 March 1955, *Sparre F 32* (LIL, S)
- fibulatus* Singer in Singer & Digilio, 1951e: 252 [published in 1952]  
 HOLOTYPE: Argentina. Tucumán: Ciudad, Jardín del Instituto Lillo, 22 February 1949, *Singer T 141* (LIL) [Published in 1952]
- fluminensis* Singer, 1958g: 292  
 HOLOTYPE: Brazil. Río de Janeiro: Angra dos Reis, 31 September 1952, *Singer B 432* (F)
- glaucus* Singer, 1961a: 114, 130  
 HOLOTYPE: Chile. Llanquihue: Puella, 20 March 1959, *Singer M 1892* (LIL)
- globiger* Singer in Singer & Digilio, 1951e: 266 [published in 1952]  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 16 April 1950, *Singer T 973* (LIL) [Published in 1952]
- glutinosus* Singer, 1989a: 94  
 HOLOTYPE: Panama. Panamá: near the El Llano Carti road, 29 June 1975, *Dumont P 1512* (F)
- haywardii* Singer, 1956c: 147  
 Type information: Argentina. Tucumán, *T 452* (LIL)
- hendersoniensis* Singer, 1989b: 795  
 HOLOTYPE: Henderson Islands. (South Pacific), Northwest Beach, *Schuster 00006* (F)
- hiemalis* Singer, 1958g: 248  
 HOLOTYPE: Argentina. Tucumán: Río Cochuna, Marta Grassi, 29 September 1956, *Singer T 2838* (LIL)
- hololeucus* Singer, 1956c: 200  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Ciudad Universitaria, 31 January 1955, *Singer T 2105* (LIL)
- hongoi* Singer, 1989a: 95  
 HOLOTYPE: Japan. Kyoto: Mt. Daimonjyama, 14 September 1984, *Singer, Hongo and others [Singer no.] A 4070* (F)
- horridus* Singer, 1973d: 62  
 HOLOTYPE: Mexico. Veracruz: near Montepío, 23 June 1969, *Singer M 8177* (F)
- hylaeicola* Singer, 1989a: 95  
 HOLOTYPE: Brazil. Pará: Belém, 5 June 1966, *Singer B 4201* (BAFC)
- iguazuensis* Singer, 1956c: 201  
 HOLOTYPE: Argentina. Misiones: Iguazú, 26 November 1949, *Singer & Digilio* (LIL)
- keissleri* Singer, 1929b: 106  
 Type information: USSR. Caucasus.
- kuthanii* Singer, 1989a: 96  
 HOLOTYPE: Czechoslovakia. Slovakia: Cadca, 27 July 1974, *Kuthan & Singer [Singer no.] C 5696* (F)
- laetifrons* var. *bolivianus* Singer, 1958g: 277  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 4 February 1956, *Singer B 889* (LIL)
- laetus* Singer, 1958g: 274  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Ivon, 3 April 1956, *Singer B 2483* (LIL)
- laetus* var. *mixtus* Singer, 1961a: 126, 131  
 HOLOTYPE: Venezuela. Dto. Federal: Caracas, 3 July 1958, *Dennis 1130* (LIL)
- leucocyanescens* Singer, 1973d: 64  
 HOLOTYPE: Mexico. Veracruz: near Montepío, 21 June 1969, *Singer M 8130* (F)
- maculosipes* Singer, 1961a: 122, 131  
 HOLOTYPE: Venezuela. Miranda: Cortada del Guayabo, 9 July 1958, *Dennis 1154* (LIL, K)

- major* Singer, 1989a: 96  
 HOLOTYPE: USA. Illinois: Cook County, Forest Reserve E of Wheeling, 23 June 1985, *Singer N 5195* (F)
- melanopotamicus* Singer, 1989a: 96  
 HOLOTYPE: Brazil. Amazonas: Igaraçá do Tarumázinho, 13 March 1983, *Singer B 12426* (F)
- mesosporus* Singer, 1961a: 117, 130  
 HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 31 July 1958, *Dennis 1756* (LIL, K)
- minor* var. *quericum* Singer, 1973d: 64  
 HOLOTYPE: Colombia. Cauca: road between Cali and Popayán, 28 April 1968, *Singer B 6770* (F)
- neophlebophorus* Singer, 1958g: 262  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 18 March 1956, *Singer B 2128* (LIL)
- nigropallescens* Singer, 1961a: 116, 130  
 HOLOTYPE: Venezuela. Mérida: Sierra de Santo Domingo, 1 August 1958, *Buza & Dennis [Dennis no.] 1781* (LIL, K)
- oligocystis* Singer, 1958g: 266  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1420* (LIL)
- paraensis* Singer, 1973d: 65  
 HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4238* (BAFC)
- paraensis* var. *mexicanus* Singer, 1973d: 65  
 HOLOTYPE: Mexico. Morelos: near Tepoztlán, 16 February 1969, *Singer M 8487* (F)
- pluvialis* Singer, 1958g: 234  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, Río Madre de Dios, 25 March 1956, *Singer B 2194* (LIL)
- polycystis* Singer, 1958g: 271  
 HOLOTYPE: Argentina. Misiones: Iguazú, Refugio Yaguaréte, Parque Nacional Iguazú, 17 April 1957, *Singer M 1066* (LIL)
- pouzarianus* Singer, 1983a: 283  
 HOLOTYPE: Czechoslovakia. Bohemia: Tachov, near Rozvadov, 22 September 1967, *Pouzar PR 628956* (PR)
- pulverulentus* var. *pseudonanus* Singer, 1958g: 289  
 HOLOTYPE: Argentina. Salta: Burruyacú, 17 February 1957, *Singer T 2986* (LIL). Also see Trans. Brit. Mycol. Soc. 39, fig. 57, 1956 (= Singer, 1956c)
- riberalensis* Singer, 1958g: 255  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 30 March 1956, *Singer B 2336* (LIL)
- riberalensis* var. *conquistensis* Singer, 1958g: 255  
 HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 24 March 1956, *Singer B 2177* (LIL)
- riberalensis* var. *missionensis* Singer, 1961a: 123, 131  
 HOLOTYPE: Argentina. Misiones: Iguazú, 29 February 1960, *Guerrero 130* (LIL)
- ricardii* Singer, 1969a: 158  
 HOLOTYPE: Chile. Concepción: Boca del Biobio, 11 November 1967, *Singer M 7819* (SGO)
- rimosellus* Singer in Singer & Digilio, 1951e: 262  
 HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 1 January 1951, *Singer T 1089* (LIL) [Published in 1952]
- rimossoaffinis* Singer, 1956c: 211  
 HOLOTYPE: Argentina. Tucumán, 19 November 1954, *Singer T 2011* (LIL, K)
- riograndensis* Singer, 1953d: 116  
 HOLOTYPE: Brazil. Río Grande do Sul: São Leopoldo, 31 October 1951, *Singer B 31* (LIL)
- riograndensis* var. *atromarginatus* Singer, 1961a: 128, 131  
 HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 20 July 1958, *Singer T 3141* (LIL)
- rubrotomentosus* Singer, 1958g: 228  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Yariza, 23 February 1956, *Singer B 1412* (LIL)
- rugososulcatus* Singer, 1958g: 250  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Catataratas de San Juan, 28 January 1956, *Singer B 609* (LIL)
- salicinus* var. *achloes* Singer, 1956c: 183  
 HOLOTYPE: USA. Michigan: Cheboygan County, Douglas Lake, 7 July 1953, *Singer N 468* (F)
- sanctixeraverii* Singer, 1958g: 264  
 HOLOTYPE: Argentina. Tucumán: San Javier, 13 January 1957, *Singer T 2878* (LIL)
- sapiocola* Singer, 1958g: 290  
 HOLOTYPE: Argentina. Salta: Güemes, Quebrada de Yaquiasme, 7 February 1957, *Singer T 2960* (LIL)
- sergii* Singer, 1958g: 253  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B 2513* (LIL)
- spiegazzinianus* Singer, 1952c: 221  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, *Singer M 303* (LIL)
- stephanobasis* Singer, 1958g: 212  
 HOLOTYPE: Argentina. Tucumán: S. M. Tucumán, 21 April 1956, *Singer T 2802* (LIL)
- subfibrillosus* Singer, 1956c: 187  
 HOLOTYPE: Brazil. Río de Janeiro: Angra dos Reis, 30 September 1952, *Singer B 433* (F)

*subminutus* Singer, 1958g: 269

HOLOTYPE: Bolivia. La Paz: Nor Yungas, Río Yariza, 23 February 1956, *Singer B 1419* (LIL)

*substigmaticus* Singer, 1958g: 273

HOLOTYPE: Bolivia. Pando: Manuripi, Conquista, 24 March 1956, *Singer B 2183* (LIL)

*sulcatus* Singer in Singer & Digilio, 1951e: 265

HOLOTYPE: Argentina. Tucumán: Tafi del Valle, Quebradita, 15 January 1950, *Singer T 876* (LIL) [Published in 1952]

*triplocystis* Singer, 1973d: 63

HOLOTYPE: Mexico. Veracruz: near Montepío, 22 June 1969, *Singer M 8141* (F)

*tucumanus* Singer in Singer & Digilio, 1951e:

269

HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 18 January 1950, *Singer T 921* (LIL) [Published in 1952]

*umbrinoalbidus* Singer, 1953d: 134

HOLOTYPE: Brazil. Río Grande do Sul: Estacio Sao Salvador, 9 November 1951, *Singer B 124* (LIL)

*variipes* Singer, 1956c: 218

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, January, *Singer T 2100* (LIL)

*variipes* var. *atrofibrillosus* Singer, 1958g: 266

HOLOTYPE: Argentina. Tucumán: Quebrada de la Higuera, 25 January 1955, *Singer T 2099* (LIL)

*varzeicola* Singer, 1989a: 97

HOLOTYPE: Brazil. Amazonas: Ilha Marchantaria, 9 March 1983, *Singer and others [Singer no.] B 12397* (F)

*viscidulus* Singer in Singer & Digilio, 1951e:

255

HOLOTYPE: Argentina. Tucumán: near Tapia, 1 January 1949, *Singer T 797* (LIL) [Published in 1952]

*xanthopus* Singer, 1958g: 282

HOLOTYPE: Argentina. Tucumán: San Javier, 28 January 1957, *Singer T 2916* (LIL)

*xylophilus* var. *major* Singer, 1958g: 210

HOLOTYPE: Argentina. Tucumán: Anta Muerta, 24 November 1950, *Singer T 1042* (LIL)

*yungensis* Singer, 1958g: 232

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Río Llolosa, 31 January 1956, *Singer B 777* (LIL)

## PODABRELLA Singer, 1945c: 143

Type species: *Agaricus microcarpus* Berk. & Br.

*albida* Singer, 1989a: 7

HOLOTYPE: Costa Rica. Guanacaste: near Bagages, October 1982, *L D Gómez 18718* (F)

*epipolia* Singer, 1989a: 7

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 March 1978, *Singer B 10850* (INPA)

*poliomphax* Singer, 1989a: 8

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 18 May 1977, *Singer B 9658* (INPA)

## POLYPLOCIUM

*patagonicum* Singer, 1969a: 370

HOLOTYPE: Argentina. Neuquén: San Ignacio, 4 November 1966, *Singer M 6005* (BAFC)

## POROMYCENA

*anastomosans* Singer, 1945g: 220

Type information: USA. Florida: Highlands County, Highlands Hammock State Park, *Singer* (FH)

## PORPHYRELLUS

*festivus* Singer, 1961h: 18

HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 13 July 1960, *Singer B 3384* (LIL)

*rionegrensis* Singer & Araujo, 1978a: 436

HOLOTYPE: Brazil. Amazonas: Along Río Negro, 20 km downstream from São Gabriel das Cachoeiras, 20 January 1978, *Araujo 937* (INPA)

*zaragozae* Singer & Garcia, 1991a: 69, 88

HOLOTYPE: Mexico. Nuevo León: Agua del Toro, Municipio Zaragoza, 11 September 1982, *Garcia 2294* (F)

## PORPOLOMA Singer, 1952c: 197, 198

Type species: *Porpoloma sejunctum* Singer

*portentosum* Singer, 1952c: 199

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 10 February 1950, *Singer M 149* (LIL)

*sejunctum* Singer, 1952c: 198

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13-18 February 1950, *Singer M 256* (LIL)

*terreum* Singer, 1952c: 201

HOLOTYPE: Argentina. Tierra del Fuego: Ushuaia, Lago Fagnano, 19 February 1950, *Singer M 372* (LIL)

## PSATHYRA

*codinae* Singer, 1947c: 230

Type information: Spain. Catalonia: Riu de Bonaiqua, July 1934.

*muricellata* Singer, 1938e: 13

Type information: USSR. Leningrad, 1936, *Singer* (LE?)

**PSATHYRELLA**

- acutissima* Singer, 1969a: 186  
 HOLOTYPE: Argentina. Río Negro: Laguna Frías, Puerto Alegre, 13 March 1959, *Singer M* 1756 (BAFC)
- aequatoriae* Singer, 1978h: 50  
 HOLOTYPE: Ecuador. Tungurahua: Río Verde, 26 April 1973, *Singer B* 7129 (F)
- annulosa* Singer, 1973d: 70  
 HOLOTYPE: Brazil. Pará: Belém, 5 June 1965, *Singer B* 4192 (BAFC)
- apora* Singer, 1969a: 192  
 HOLOTYPE: Chile. Valdivia: Hueycolla, 4 May 1967, *Singer M* 6702 (SGO)
- argillospora* Rick ex Singer, 1973d: 71  
 HOLOTYPE: Colombia. Cauca: In region "Gabriel López", 4 April 1968, *Singer B* 6992 (F)
- chiloensis* Singer, 1969a: 197  
 HOLOTYPE: Chile. Chiloe: Pudeto, May 1967, *M. Singer & Hernandez [Singer no.] M* 6792 (SGO)
- crinipellis* Singer, 1973d: 71  
 HOLOTYPE: Mexico. Chiapas: 15 km toward west of San Cristobal de la Casas, 2 August 1969, *Singer M* 8825 (F)
- dactylocystis* Singer, 1969a: 188  
 HOLOTYPE: Argentina. Río Negro: Cerro Otto, 17 November 1964, *Singer M* 4012 (BAFC)
- dactylocystis* f. *rugulosiceps* Singer, 1969a: 189  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M* 3282 A (BAFC)
- dactylocystis* f. *latispora* Singer, 1969a: 189  
 HOLOTYPE: Argentina. Neuquén: Cerro Colorado, 9-10 March 1959, *Singer M* 1731 (BAFC)
- fascicularis* Singer, 1978h: 51  
 HOLOTYPE: Ecuador. Tungurahua, between the Ulva bridge and San Antonio, 29 April 1973, *Singer B* 7186 (F)
- hesleriaaffinis* Singer, 1978h: 52  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 16 May 1973, *Singer B* 7507 (F)
- janauariensis* Singer, 1989a: 101  
 HOLOTYPE: Brazil. Amazonas: Lago Janauarí, 18 April 1983, *Singer B* 12447 (F)
- laevissima* var. *nothofagi* Singer, 1969a: 197  
 HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 15 May 1967, *Singer M* 6918 (SGO)
- lignatilis* Singer, 1989a: 101  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 11 July 1977, *Singer B* 10076 (INPA)
- macquariensis* Singer, 1959b: 392  
 HOLOTYPE: Australia. Macquarie Island: Tent Hill, 15 November 1951, *Bunt MB/51/B6* (LIL)
- marthae* Singer, 1969a: 183  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 11 April 1963, *M. & R. Singer M* 3380 (BAFC)
- metuloidophora* Singer, 1973d: 72  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 16 January 1960, *Singer T* 3538 (LIL)
- moseri* Singer, 1969a: 187  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, above Puerto Manzano, 11 April 1963, *Singer M* 3379 (BAFC)
- nothomyrciae* Singer, 1969a: 183  
 HOLOTYPE: Chile. Valparaíso: Quintero, 5 June 1967, *Villagrán [Singer no.] M* 6944 (SGO)
- patagonica* Singer, 1969a: 194  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M* 3275 (BAFC)
- phaecocystidiata* Singer, 1973d: 73  
 HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer T* 5138 (F)
- polycystidiosa* var. *exumbonata* Singer, 1969a: 190  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 21 April 1965, *Singer M* 5104 (BAFC)
- polycystidiosa* var. *minor* Singer, 1969a: 190  
 HOLOTYPE: Argentina. Neuquén: Quetrihué, 11 November 1966, *Singer M* 6070 (BAFC)
- polycystidiosa* var. *polycystidiosa* Singer, 1969a: 190  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 22 April 1964, *Singer M* 3409 (BAFC)
- rhizophorae* Singer, 1973d: 74  
 HOLOTYPE: USA. Hawaii: Oahu, 4 June 1968, *Kohlmeyer 2564* (Kohlmeyer)
- riparia* Singer, 1973d: 74  
 HOLOTYPE: Argentina. Corrientes: Curuzú Cuatiá, 8 February 1964, *Singer S* 422 (BAFC)
- segregis* Singer, 1989a: 102  
 HOLOTYPE: USA. Michigan: Berrien County, 29 September 1973, *Singer N* 4500 (F)
- sepuchralis* Singer, Smith & Guzmán, 1958l: 26  
 HOLOTYPE: Mexico. Oaxaca: near San Augustín Loxicha, 14 September 1957, *Guzmán SA-1140* (MICH)
- squarrosiceps* Singer, 1978h: 53  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer 7276* (F)
- subandina* Singer, 1969a: 195  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M* 3278 (BAFC)
- subconocyboides* Singer, 1978h: 54  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 9 May 1973, *Singer B* 7320 (F)

*subprona* Singer, 1969a: 193

HOLOTYPE: Chile. Valdivia: Hueycolla, near Ocean, 1 May 1967, *Singer M* 6578 (SGO)

*tilcariensis* Singer, 1969a: 192

HOLOTYPE: Argentina. Jujuy: Tilcara, Garganta del Diablo, 21 March 1955, *Singer T* 2312 (LIL)

*tristis* Singer, 1969a: 197

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Brazo Tristeza, 7 May 1964, *Singer M* 3978 (BAFC)

*valdiviana* Singer, 1969a: 185

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M* 5570 (BAFC)

*varzeae* Singer, 1989a: 102

HOLOTYPE: Brazil. Amazonas: Lago Janauarí, 18 March 1983, *Singer B* 12430 (F)

## PSEUDOBAEOSPORA

*defibulata* Singer, 1963g: 13

HOLOTYPE: Argentina. Tucumán: San Javier, 28 February 1962, *Singer & Horak T* 3775 (LIL)

*flavescens* Singer, 1969a: 172

HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6525 (SGO)

*syringea* Singer, 1963g: 15

HOLOTYPE: Peru. Cuzco: Tambomachai, 19 May 1958, *Singer B* 3001 (LIL)

## PSEUDOCLITOCYBE

*beschidica* Singer & Kuthan, 1980a: 70

HOLOTYPE: Czechoslovakia. Moravia: Beskydy, Nature preserve Minosí near Horní Lomná, 20 July 1974, *Kuthan & Singer [Singer no.] C* 5592 (F)

*martipanis* Singer, 1969a: 64

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, Chivería, 7 May 1967, *Singer M* 6758 (SGO)

## PSEUDOHIAATULA

*callistosporoides* Singer, 1961b: 59

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 7 January 1959, *Singer T* 3196 (LIL)

*guzmaniana* Singer, 1973d: 33

HOLOTYPE: Mexico. Morelos, Parque Nacional de Lagunas de Zampoala, 3 July 1962, *Guzman* 2978 (F)

*haedinopsis* Singer, 1978h: 44

HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B* 7227 (F)

*panamensis* Singer, 1955a: 772

HOLOTYPE: Panama. Zona Canalis: Corund, 13 August 1952, *Martin & Welden* 8335 (F; IA)

## PSEUDOOMPHALINA

*arsitophylli* Singer, 1973d: 17

HOLOTYPE: Colombia. Boyacá: Páramo quertero above Picho, 26 July 1960, *Singer B* 3530 (LIL)

## PSILOBOLETINUS

Singer, 1945b: 250

Type species: *Phylloporus lariceti* Singer

## PSILOCYBE

*aequatoriae* Singer, 1978h: 59

HOLOTYPE: Ecuador. Napo: Lago Agrio, 14 May 1973, *Singer B* 7425 (F)

*aggericola* Singer & Smith, 1958k: 142

HOLOTYPE: Argentina. Tucumán: road to Tafí del Valle, Río de los Sosas, 13 December 1949, *Singer T* 760 (MICH)

*alpestris* Singer, 1989a: 108

HOLOTYPE: Austria. N. O.: Hoch-Schneeberg, 16 August 1979, *Singer C* 9168 (WU)

*araucana* Singer, 1969a: 239

HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 22 April 1964, *Singer M* 3402 (BAFC, SGO)

*baeocystis* Singer & Smith, 1958k: 141

HOLOTYPE: USA. Oregon: Eugene, 1 November 1945, *Sipe* (MICH)

*caerulipes* var. *gastonii* Singer, 1958d: 236

HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 13 July 1958, *Guzmán Huerta GH-1128 A* (LIL). Isotype: Instituto Politécnico, Mexico D.F.

*caesioannulata* Singer, 1965i: 165

HOLOTYPE: Chile. Valdivia: near Hueycolla, 20 March 1963, *Singer M* 3248 (BAFC)

*candidipes* Singer & Smith, 1958k: 141

HOLOTYPE: Mexico. Oaxaca: Huautla, 10 July 1957, *Singer M* 1514 (MICH)

*carbonaria* Singer, 1965i: 166

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 31 March 1963, *Singer M* 3267 (BAFC)

*chilensis* Singer, 1965i: 168

HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 30 March 1963, *Singer M* 3241 (BAFC)

*chrysocystidiata* Singer, 1973d: 82

HOLOTYPE: Bolivia. El Beni: Vaca Diez, 8 March 1956, *Singer B* 1747 (BAFC)

*collybioides* Singer & Smith, 1958k: 141

HOLOTYPE: Argentina. Tucumán: Tafí del Valle, 25 February 1952, *Singer T* 1882 (MICH)

*cordobensis* Singer, 1973d: 83

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 13 February 1965, *Singer T* 4059 (F)

*februaria* Singer, 1989a: 108

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 7 February 1956, *Singer B* 976 (LIL)

- flammuliformis* Singer, 1969a: 247  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 6 May 1965, *Singer M* 5523 (BAFC)
- isauri* Singer, 1958d: 237  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Jimenez, 13 July 1958, *Guzmán Huerta GH-1128* (LIL). Isotype: Instituto Politécnico, Mexico D.F.
- jujuyensis* Singer, 1973d: 82  
 HOLOTYPE: Argentina. Córdoba: Pampa de Achala, 31 December 1966, *Singer B* 4313a (F)
- laetissima* Hausknecht & Singer, 1986e: 295  
 HOLOTYPE: Austria. Vienna: Lobau, 13 September 1980, *Hausknecht & Egle 917.0* (WU). Isotype: F
- lazoi* Singer, 1969a: 242  
 HOLOTYPE: Chile. Colchagua: Pumanque, 1967, *Lazo PU-151* (SGO)
- longinqua* Singer, 1959n: 578  
 HOLOTYPE: Australia. Macquarie Island, 1 May 1949, *Bunt* (LIL)
- marthae* Singer, 1969a: 255  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1967, *R. & M. Singer* (SGO). No collection number given.
- mesospora* Singer, 1969a: 245  
 HOLOTYPE: Argentina. Neuquén: Quetrihué, 21 April 1965, *Singer M* 5128 (BAFC)
- muliercula* Singer & Smith, 1958k: 142  
 HOLOTYPE: Mexico. Piedras Blancas, 28 July 1957, *Singer M* 1611 (MICH)
- omnium-sanctorum* Singer, 1969a: 249  
 HOLOTYPE: Chile. Llanquihue: Puella, Lago Todos los Santos, 22 March 1959, *Singer M* 1992 (LIL)
- peladae* Singer, 1969a: 254  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1967, *Singer M* 6782 (SGO)
- pericystis* Singer, 1989a: 109  
 HOLOTYPE: Brazil. Amazonas: 25 km N of Manaus, 28 June 1978, *Singer B* 11261 (INPA)
- peruviana* Singer, 1959n: 583  
 HOLOTYPE: Peru. Cuzco: Lamay, 21 May 1958, *Singer B* 3032 (LIL)
- praetervisa* Singer, 1969a: 244  
 HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 12 March 1963, *Singer M* 3506 (BAFC)
- pteridophytorum* Singer, 1959n: 582  
 HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 4 February 1955, *Singer T* 2132 (LIL)
- semilanceata* var. *microspora* Singer, 1969a: 247  
 HOLOTYPE: Chile. 28 March 1953, *Singer M* 3236 (BAFC). Also see Singer, 1965i.
- sierrae* Singer, 1969a: 240  
 HOLOTYPE: Chile. Maule: between Chovellén and Trehualemu, 3 August 1967, *Singer M* 7214 (SGO)
- squarrosipes* Singer, 1959n: 580  
 HOLOTYPE: Argentina. Tucumán: Infiernillo, 10-11 March 1955, *Singer T* 2254 (LIL)
- strictipes* Singer & Smith, 1958k: 141  
 HOLOTYPE: USA. Oregon: near Welches, Gruber & Smith [Smith no.] 202448 (MICH)
- subhyperella* Singer, 1973d: 83  
 HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 24 July 1960, *Singer B* 3502 (F)
- valdiviensis* Singer, 1969a: 251  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 7 May 1965, *Singer M* 5473 (BAFC)
- yungensis* Singer & Smith, 1958k: 142  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Catáratas San Juan, 28 January 1956, *Singer B* 648 (MICH)
- yungensis* var. *diconica* Singer & Smith, 1958k: 142  
 HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Catáratas San Juan, 28 January 1956, *Singer B* 651 (MICH)

## PULVEROBOLETUS

- duckeanus* Singer, 1983f: 95  
 HOLOTYPE: Brazil. Amazonas: Reserva Ducke, 6 km from entrance, 25 km N of Manaus, 28 June 1978, *Freire & Singer* [Singer no. J B 11247] (INPA)
- leucomycelinus* Singer & Ivory, 1983f: 93  
 HOLOTYPE: Honduras. Siguatepeque, 12 October 1976, *Ivory S/246* (F)
- mazatecorum* Singer, 1973d: 102  
 HOLOTYPE: Mexico. Oaxaca: San Andrés Hidalgo, 9 July 1969, *Singer M* 8361 (F)
- paspali* Singer & Grinling, 1967c: 373  
 HOLOTYPE: Zaire. Brazzaville: Djoué, no date, *Grinling 41,104* (BAFC)
- rosaemariae* Singer, 1983f: 99  
 HOLOTYPE: Brazil. Amazonas: Laguna Januari, 31 December 1978, *Singer B* 11458 (INPA)
- shoreae* Singer & Singh, 1971a: 28  
 HOLOTYPE: India. Uttar Pradesh: Dehra Dun, 20 July 1968, *Bakshi* 9022 (FRI, F) (FRI = Forest Research Institute, India)

## PYRRHOGLOSSUM Singer, 1944a: 367

Type species: *Agaricus (Crepidotus) pyrrhys* Berk. & Curt.

## PYRRHOGLOSSUM

- lilaceipes* Singer, 1961b: 77  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 17 February 1956, *Singer B 1225* (LIL)  
*macrosporum* Singer, 1973d: 92  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 17 February 1956, *Singer B 1229* (BAFC)  
*recedens* Singer, 1973d: 91  
HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 14 February 1966, *Singer T 5143* (F)  
*stipitatum* Singer, 1948c: 37  
HOLOTYPE: Guiana. Bartica, 1 January 1924, *Linder 620* (FH)

## RADIIGERA

- paulensis* Singer, Wright & Horak, 1963d: 600, 610  
HOLOTYPE: Brazil. São Paulo: "Cerradao" de Itirapina, along road from São Paulo to São Carlos, 16 May 1962, *Milanez & Fidalgo s.n.* (BAFC)

## RAJAPA

- Singer, 1945c: 142  
Type species: *Agaricus eurhizus* Berk.

## RAMARIA

- griseobrunnea* Singer, 1983f: 19  
HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B 4216* (BAFC)  
*inedulis* Singer, 1969a: 384  
HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3106* (BAFC)  
*valdiviana* Singer, 1969a: 385  
HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 15 May 1967, *Singer M 6916* (SGO)

## RESINOMYCENA

Redhead & Singer, 1981b: 151

- Type species: *Agaricus rhododendri* Peck

- acadiensis* Redhead & Singer, 1981b: 162  
HOLOTYPE: Canada. New Brunswick: Kouchibouguac National Park, 24 September 1977, J.E. & S.A. Redhead 2558 (166073, DAOM)  
*brunnescens* Redhead & Singer, 1981b: 163  
HOLOTYPE: Canada. New Brunswick: Kouchibouguac National Park, 13 July 1977, J.E. & S.A. Redhead 2336 (165884, DAOM)  
*montana* Redhead & Singer, 1981b: 157  
HOLOTYPE: Canada. British Columbia: Rocky Mountain trench, Donald Station, 21 September 1980, Redhead 3977 (178215, DAOM)

## RESUPINATUS

- alboniger* var. *bisporus* Singer, 1978h: 19  
HOLOTYPE: Venezuela. Sucre: NW of Irapa, Trail N of Manaca, 9 July 1972, Dumont et al. VE 4510 (NY)  
*chilensis* Singer, 1946g: 134  
Type information: Chile. Magallanes: Arenas, near Punta, Thaxter (FH). [Published in 1948].  
*omphaliooides* Singer, 1965i: 150  
HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 31 March 1963, *Singer M 3262* (BAFC)  
*subrachodium* Singer in Singer & Digilio, 1951e: 104  
HOLOTYPE: Argentina. Tucumán: Río de los Sosas, 10 March 1950, *Singer T 936* (LIL) [Published in 1952]

## RHODOARRHENIA

Singer, 1964b: 142  
Type species: *Merulinus pezizoides* Speg.

- albocrenea* Singer, 1964b: 143  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B 1271* (LIL, BAFC)  
*nobilis* Singer, 1964b: 144  
HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Carmen Pampa, 19 February 1956, *Singer B 1274* (LIL, BAFC)

## RHODOCYBE

- alutacea* Singer, 1946e: 688  
HOLOTYPE: USA. Florida: Dade County, Mattheson Hammock, 29 September 1942, *Singer F 908* (FH)  
*angustispora* Singer, 1989a: 122  
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Singer B 12470-12478* (F)  
*australis* Singer, 1969a: 335  
HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Arroyo Frutillas, 28 April 1964, *Singer M 3619* (BAFC)  
*collybioides* Singer in Singer & Digilio, 1951e: 425  
HOLOTYPE: Argentina. Tucumán: Río Lules, 2 April 1949, *Singer T 366* (LIL) [Published in 1952]  
*conica* Singer, 1989a: 122  
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 21 May 1978, *Singer B 11049* (INPA)  
*crepidotooides* Singer, 1973d: 95  
HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B 3333* (BAFC)

- galerinoides* Singer, 1961b: 81  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 14 March 1956, *Singer B* 1973 (LIL)
- gilvooides* var. *convexa* Singer, 1958d: 242  
 HOLOTYPE: Mexico. Oaxaca: Huautla de Jiménez, 10 July 1957, *Singer B* 1511 (LIL)
- hawaiensis* Singer, 1989a: 123  
 HOLOTYPE: USA. Hawaii: Kauai, 24 January 1981, *Singer H* 1 (F)
- ianthinocystis* Singer in Singer & Digilio, 1951e: 427  
 HOLOTYPE: Argentina. Tucumán: Río Cochuna, 20 February 1951, *Singer T* 1286 (LIL) [Published in 1952]
- lactariiformis* Singer, 1961b: 81  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 17 March 1956, *Singer B* 2070 (LIL)
- laeta* Singer, 1961b: 80  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 14 March 1956, *Singer B* 1951 (LIL)
- lignicola* Singer, 1961b: 80  
 HOLOTYPE: Bolivia. Yungas: La Paz, Nor-Yungas, Carmen Pampa, 20 February 1956, *Singer B* 1495 (LIL)
- marasmoides* Singer in Singer & Digilio, 1951e: 424  
 HOLOTYPE: Argentina. Tucumán: near Tapia, 12 February 1951, *Singer T* 1192 (LIL) [Published in 1952]
- mycenoides* Singer in Singer & Digilio, 1951e: 423  
 HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 4 March 1951, *Singer T* 1396 (LIL) [Published in 1952]
- naucoria* Singer in Singer & Digilio, 1951e: 425  
 HOLOTYPE: Argentina. Tucumán: Tapia, 15 April 1951, *Singer T* 1485 (LIL) [Published in 1952]
- russularia* Singer, 1961b: 80  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 8 March 1956, *Singer B* 1709 (LIL)

## RHODOPHYLLUS

- austroanatinus* var. *austroanatinus* Singer, 1969a: 337  
 HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M* 3093 (BAFC)
- austroanatinus* var. *defibulatus* Singer, 1969a: 337  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6533 (SGO)
- cantharelluloides* Singer, 1965e: 45  
 HOLOTYPE: Brazil. Paraíba: João Pessoa, 11 July 1960, *Singer B* 3360 (BAFC)

- crinipelloides* Singer, 1978h: 75  
 HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B* 7305 (F)
- cryptochrous* Singer, 1969a: 338  
 HOLOTYPE: Argentina. Neuquén: Villa La Angostura, 29 April 1964, *Singer M* 3646 (BAFC)
- dissimilis* var. *aporpus* Singer, 1969a: 343  
 HOLOTYPE: Chile. Coquimbo: Fray Jorge, 16 April 1967, *Singer M* 6526 (SGO)
- dissimilis* var. *dissimilis* Singer, 1969a: 342  
 HOLOTYPE: Argentina. Neuquén: Lago Correntoso, 25 April 1964, *Singer M* 3487 (BAFC)
- dragonosporus* Singer, 1965e: 46  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, 17 March 1956, *Singer B* 2106 (BAFC, LIL)
- farlowii* Singer, 1945e: 49  
 HOLOTYPE: USA. New Hampshire: Chocorua, July 1941, *Linder & Singer* (FH)
- ferrugineogranulatus* Singer, 1973d: 96  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 23 April 1968, *Singer B* 6325 (F)
- fraternus* Singer, 1973d: 97  
 HOLOTYPE: Brazil. Pernambuco: Dois Irmãos, 5 August 1960, *Singer B* 3074 (BAFC)
- hololeucus* Singer, 1969a: 348  
 HOLOTYPE: Chile. Llanquihué: 15 km NE of Puerto Pargua, 9 May 1967, *Singer M* 6800 (SGO)
- lacteoniger* Singer, 1969a: 345  
 HOLOTYPE: Argentina. Neuquén: Villa La Angostura, 25 April 1964, *Singer M* 3645 (BAFC)
- lowyi* var. *lowyi* Singer, 1973d: 97  
 HOLOTYPE: Brazil. Pará: Belém, 10 June 1966, *Singer and others* [*Singer no.*] B 4271 (F)
- lowyi* var. *microspora* Singer, 1973d: 98  
 HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer & Emigdio de Melo* [*Singer no.*] B 4227 (BAFC)
- lyophylliformis* Singer, 1973d: 98  
 HOLOTYPE: Colombia. Valle: Cali, Buenaventura, 22 April 1968, *Singer B* 6275 (F)
- mesites* Singer, 1969a: 342  
 HOLOTYPE: Argentina. Neuquén: Rincón, 13 March 1963, *Singer M* 3534 (BAFC)
- nitens* var. *defibulatus* Singer, 1969a: 344  
 HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 14 May 1967, *Singer M* 6892 (SGO)
- nubigenus* Singer, 1969a: 348  
 HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, near Paso de las Nubes, 24 March 1963, *Singer M* 3180 (BAFC)
- patagonicus* Singer, 1969a: 339  
 HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M* 3099 (BAFC)

- perbrevisporus* Singer, 1973d: 99  
 HOLOTYPE: Brazil. Pará: Estancia Pirelli, 7 June 1966, *Singer B* 4217 (F)
- porpoarachnooides* Singer, 1978h: 76  
 HOLOTYPE: Ecuador. Tungurahua: Río Topo, 30 April 1973, *Singer B* 7204 (F)
- pruiniosipes* Singer, 1969a: 340  
 HOLOTYPE: Argentina. Neuquén: Puerto Manzano, 5 April 1963, *Singer M* 3272 (BAFC)
- pumanquensis* Singer, 1969a: 338  
 HOLOTYPE: Chile. Colchagua: near Pumanque, 7 August 1967, *Lazo PU-131* (SGO)
- substrictior* Singer, 1965i: 184  
 HOLOTYPE: Chile. Valdivia: Cordillera Pelada, 28-29 March 1963, *Singer M* 3190 (BAFC)
- tephrocybe* Singer, 1978h: 78  
 HOLOTYPE: Ecuador. Tungurahua: Puyo, 26 April 1973, *Singer B* 7140 (F)

## RIMBACHIA

- palmigena* Singer, 1966a: 11  
 HOLOTYPE: Bolivia. Pando: Madre de Dios, Las Piedras, 5 April 1956, *Singer B* 2503 (LIL, BAFC)

## RIPARTITELLA Singer, 1947b: 85

Type species: *Marasmius squamosidiscus* Murr.

## RIPARTITES

- amparae* Singer, 1950c: 195  
 HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, Anta Muerta, 19 June 1949, *Singer T* 576 (LIL)

## RUSSULA

- albonigroides* Singer, 1946g: 109  
 HOLOTYPE: Liberia. Ganta, 19 April 1939, Harley 77 (FH). [Published in 1948].
- alutacea* f. *pseudoalutacea* Singer, 1934a: 450  
 Type information: Austria. Lower Austria: near Hintersdorf.
- amnicola* Singer, 1983f: 269  
 HOLOTYPE: Brazil. Amazonas, 14 December 1978, *Singer B* 11438 (INPA). B 11438 was cited as type in Latin diagnosis, but B 11452 was cited as type in English description.
- aosma* Singer, 1952b: 298  
 HOLOTYPE: Trinidad. Siparia, 3 November 1949, Dennis 281 (LIL)
- appalachiensis* Singer, 1948c: 39  
 HOLOTYPE: USA. Virginia: Mountain Lake, 1 August 1946, *Singer V* 169 (FH)

- arcyospora* Singer, 1990e: 31  
 HOLOTYPE: Costa Rica. San José: Jardín de Dota, 6 km W of Empalme, 6 August 1986, *Singer B* 14628 (F)
- atropurpurea* var. *atropurpurella* Singer, 1932: 298  
 Type information: Germany. Bavaria: Aubinger Lohe near Munich.
- atropurpurea* var. *atropurpuroides* Singer, 1932: 299  
 Type information: Germany. Bavaria.
- atropurpurea* var. *krombholzii* Singer, 1932: 301  
 No type information.
- atropurpurea* var. *rubripes* Singer, 1932: 300  
 Type information: Austria. Lower Austria: between Vslau and Merkenstein.
- aucarum* Singer, 1975b: 243  
 HOLOTYPE: Ecuador. Napo: Shushufindi, 15 May 1973, *Singer B* 7440 (F)
- austrodelica* Singer, 1969a: 352  
 HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 27 April 1967, *Singer M* 6544 (SGO)
- austromontana* Singer, 1989a: 126  
 HOLOTYPE: Costa Rica. San José: El Empalme, 23 July 1981, *Singer B* 12402 (F)
- barlae* var. *marthae* Singer, 1982b: 679  
 Type information: Spain. Catalonia: Vall d' Aran, Seuva above Salardú, September 1934, *Singer* (LE)
- batistae* Singer, 1955d: 228  
 HOLOTYPE: Brazil. Pernambuco: Iputinga, 7 March 1955, 2042 (LIL)
- boyacensis* Singer, 1963b: 247  
 HOLOTYPE: Colombia. Boyacá Tunja, Arcahuco, Finca del Señor Luis Antonio Porras, 29 July 1960, *Singer B* 3593 (BAFC)
- brasiliensis* Singer, 1946g: 108  
 Type information: Brazil. Río Grande do Sul, Rick (FH: Herbarium Patouillard). [Published in 1948].
- caucaeensis* Singer, 1989a: 127  
 HOLOTYPE: Colombia. Cauca: Los Araoz, 12 April 1968, *Singer B* 6046 (F)
- cernohorskýi* Singer, 1935b: 300  
 Type information: China. Yunnan: Li Jiang, around village Ngulukö.
- chamaeleon* Singer, 1937: 227  
 Type information: USSR. Leningrad: Strelna, July 1936 (LE?)
- citrina* f. *separata* Singer, 1938b: 136  
 Type information: USA. Washington: S of Lake Crescent, 6 October 1935, Smith (MICH?)
- columbiana* Singer, 1963b: 248  
 HOLOTYPE: Colombia. Cundinamarca: Salto de Tequendama, 23 July 1960, *Singer B* 3498 (BAFC)

- costaricensis* Singer, 1983f: 267  
 HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, Gómez & Singer [Singer no.] B 12438 (F)
- crassotunicata* Singer, 1938b: 132  
 Type information: USA. Washington: Olympic National Forest, Hot Springs, 29 September 1935, Smith (MICH)
- cremeo-avellanea* Singer, 1936e: 288  
 No type information.
- cristulispora* Singer, 1941b: 84  
 Type information: USSR. Western Caucasus: Krasnodar, 2 August 1936, Vasilieva (LE)
- cyanoxantha* f. *peltreaui* Singer, 1925c: 15  
 No type information.
- cyanoxantha* f. *pallida* Singer, 1923a: 4  
 No type information.
- dadmunii* Singer, 1948c: 39  
 Type information: USA. Massachusetts: Cambridge, Harvard, *Dadmum* (FH)
- delica* var. *centroamericana* Singer, 1989a: 128  
 HOLOTYPE: Costa Rica. San José: La Chonta, 11 July 1982, Gómez 18191 (F)
- depigmentata* Singer, 1989a: 128  
 HOLOTYPE: Spain. Catalonia: Tossa, 24 October 1979, Singer C 9610 (F)
- emetica* f. *knauthii* Singer, 1926: 216  
 No type information.
- emetica* ssp. *alnijorullensis* Singer, 1950b: 133  
 Type information: Distributed in Argentina (Tucumán, Catamarca) and Bolivia [Published in 31 December 1950]
- emetica* ssp. *lacustris* Singer, 1950b: 133  
 HOLOTYPE: U.S.A. Florida: Alachua County, near Newnan's Lake, 28 December 1943, Singer F 1662 (FH) [Published in 31 December 1950]
- epitheliosa* Singer, 1983f: 203  
 HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 12 July 1978, Freire & Singer [Singer no.] B 11272 (F)
- exalbicans* f. *decolorata* Singer, 1938b: 147  
 HOLOTYPE: USSR. Kurai and Czuiskie Alpy, July-August 1937 (LE?)
- ferreri* Singer, 1936e: 284  
 No type information.
- ferrotincta* Singer, 1945d: 428  
 HOLOTYPE: USA. Florida: Alachua County, Gainesville, Singer F 1889a (FH)
- foetens* var. *minor* Singer, 1938b: 135  
 No type information
- fontqueri* Singer, 1947c: 215  
 Type information: Spain. Catalonia, Pyrenees Mtns., 1934.
- fuegiana* Singer, 1950b: 125  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 13 February 1950, Singer M 254 (LIL). [Published in 31 December 1950].
- fusca* ssp. *echinospora* Singer, 1939e: 270  
 Type information: USA. Michigan: Ann Arbor, July.
- gelatinascens* Singer, 1989a: 129  
 HOLOTYPE: Czechoslovakia. Bohemia: Bradlo, 10 September 1970, Singer C 5115 (F)
- gomezii* Singer, 1989a: 129  
 HOLOTYPE: Costa Rica. Alajuela: San Ramon, 24 July 1981, Singer B 12429 (F)
- gracilis* ssp. *altaica* f. *emeticicolor* Singer, 1938b: 144  
 Type information: USSR. Altai Mtns.: Lake Telezkoje, 4 September 1937, Singer (LE?)
- gracilis* ssp. *Altaica.ca* Singer, 1938b: 143  
 Type information: USSR. Altai Mtns. (LE?)
- guayarensis* Singer, 1983f: 205  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 9 March 1956, Singer B 1761 (F)
- handelii* Singer, 1935b: 319  
 Type information: China. Yunnan: Li Jiang, near village Ngulukö, September-October.
- heterochroa* Singer, 1983f: 273  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 22 May 1978, Singer B 11012 (INPA)
- hoechnelii* Singer, 1946g: 110  
 Type information: Indonesia: Java. Tjibodas, Höhnel (FH). [Published in 1948].
- hongoi* Singer, 1989a: 130  
 HOLOTYPE: Japan. Kyoto: Mt. Daimonji, 14 September 1984, Singer A 4074 (F)
- humboldti* Singer, 1963b: 245  
 HOLOTYPE: Colombia. Cundinamarca: above Pacho, "Los Robles", 22 July 1960, Singer B 3482 (BAFC)
- idroboi* Singer, 1963b: 245  
 HOLOTYPE: Colombia. Cundinamarca: above Pacho, at "Los Robles", 26 July 1960, Singer B 3523 (BAFC)
- leguminosarum* Singer, 1983f: 227  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 12 January 1979, Singer B 11485 (INPA)
- leucomodessta* Singer, 1957b: 178  
 HOLOTYPE: USA. Florida: Alachua County, Newnan's Lake, 23 July 1943, Singer F 2916 (FH)
- liberiensis* Singer, 1946g: 112  
 Type information: Liberia. Nengbe, Harley 50 (FH?). [Published in 1948].
- lutea* f. *maxima* Singer, 1932: 250  
 Type information: USSR. Caucasus.
- lutea* f. *montana* Singer, 1934a: 450  
 Type information: Austria. Nürnbergerhütte.
- lutea* var. *subcristulata* Singer, 1938b: 156  
 Type information: USSR. Caucasus, Vasilieva (LE?)

- macropoda* Singer, 1939e: 277  
 Type information: Type may be in LE.
- maculata* var. *decipiens* Singer, 1930: 211, 212  
 Type information: Czechoslovakia. near Prague, 1927, Holuinsky
- mairei* Singer, 1929f: 308  
 Type information: Austria. (WU?)
- major* Singer, 1954b: 153  
 HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 13 May 1952, Singer M 521 (LIL)
- mallophora* Singer, 1950b: 130  
 HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano (Kamel), 19 February 1950, Singer M 369 (LIL). [Published in 31 December 1950].
- mariae* var. *subflavida* Singer, 1939e: 244  
 Type information: USA. Collected in 18 August 1931.
- mesospora* Singer, 1938b: 161  
 Type information: USSR. Altai Mtns.: Lake Teletzkoje, August (LE?)
- metachromatica* Singer, 1952b: 297  
 HOLOTYPE: Venezuela. Aragua: Mt. Periquito, Rancho Grande, Maracay, 19 November 1949, Dennis 407 (LIL)
- metachromatica* ssp. *tarumaensis* Singer, 1983f: 245  
 HOLOTYPE: Brazil. Amazonas: Igaraپ do Tarumazinho, 16 April 1980, Singer B 12105 (INPA)
- microspora* Singer, 1939e: 262  
 Type information: USA. Michigan: Whitemore Lake, 30 July 1923, Smith
- minutula* var. *robusta* Saini, Atri & Singer, 1982c: 239  
 HOLOTYPE: India. Himachal Pradesh: Simla, Summer Hill, 30 July 1979, Atri PUN 274 (PUN). Isotype: F
- mitissima* Singer, 1989a: 130  
 HOLOTYPE: Costa Rica. Alajuela: San Ramon, 24 July 1981, Singer B 12428 (F)
- montivaga* Singer, 1950b: 131  
 Type information: Distributed in Argentina (Catamarca, Jujuy) and Bolivia. [Published in 31 December 1950].
- nanella* Singer, 1983f: 271  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraپ, km 106, 4 April 1978, Singer B 10923 (INPA)
- neodiscopoda* Singer, 1983f: 211  
 HOLOTYPE: Bolivia. El Beni: Vaca Diez, Guayaramerín, 14 March 1956, Singer B 1943 (F)
- nitida* var. *oirotica* Singer, 1938b: 160  
 Type information: USSR. Altai Mtns.: Teletzkoe, 9 September 1937, Singer (LE?)
- nitida* f. *pseudoamethystina* Singer, 1932: 261  
 Type information: Germany-Italy.
- nitida* var. *transiens* Singer, 1938b: 160  
 Type information: USSR. Tian Shan, 1 September 1936, Nevodovski (LE?)
- nondorbingi* Singer, 1958q: 275  
 Type information: New Guinea. Binj, Christian & Dennis (MICH)
- nothofaginea* Singer, 1950b: 127  
 HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 16 February 1950, Singer M 297 (LIL). [Published in 31 December 1950].
- obtecta* Singer, 1939e: 233, 234  
 Type information: USA. Tennessee: Great Smoky Mountain National Park, Indian Cap, August, Smith
- oreina* Singer, 1938b: 142  
 Type information: USSR. Altai Mtns. (LE?)
- oxydabilis* f. *aberrans* Singer, 1938b: 161  
 Type information: USSR. Altai Mtns.: Lake Teletzkoje, September 1937, Singer (LE?)
- pachycystis* Singer, 1983f: 236  
 HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraپ, km 45, 25 June 1980, Singer B 12123 (INPA)
- pantoleuca* Singer, 1957b: 239  
 HOLOTYPE: USA. Massachusetts.: Woburn, 18 September 1943, Singer (FH)
- patouillardii* Singer, 1935c: 89  
 Type information: Madagascar. Maromandia (PC)
- peckii* Singer, 1943c: 147  
 Type information: USA. New York: North Elba or Piseco.
- persobria* Singer, 1939e: 228, 229  
 Type information: USA. Oregon, October, Kauffman (MICH?)
- piceotorum* Singer, 1963f: 294, 301  
 HOLOTYPE: Austria. Tyrol: St. Leonhard im Pitztal, 22 September 1960, Singer C 3006 (BAFC)
- pluteoides* Singer, 1989a: 130  
 HOLOTYPE: Costa Rica. Alajuela: San Ramon, 26 July 1981, Singer B 12500 (F)
- pluvialis* Singer, 1983f: 221  
 HOLOTYPE: Brazil. Amazonas: Manaus, 5 June 1977, Singer B 9933 (INPA)
- polycystis* Singer, 1939e: 238, 239  
 Type information: USA. Tennessee: Great Smoky Mountain National Park, Mt. Le Conte, 23 August.
- psammophila* Singer, 1989a: 131  
 HOLOTYPE: USA. Illinois: Lake County, 1 August 1982, Singer N 5046 (F)
- pseudolepida* Singer, 1939e: 251  
 Type information: USA. Maryland: Takoma, 8 August 1919, Kauffman

- puellaria* var. *caucasica* Singer, 1932: 274  
Type information: USSR. Caucasus.
- pyrenaica* Blum ex Singer, 1982b: 686, 687  
HOLOTYPE: Spain. Catalonia: La Salut, 25 October 1979, *Singer C* 9621 (F)
- quercusoleoides* Singer, 1983f: 255  
HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, *Gómez & Singer [Singer no.] B* 12439-19439a (F)
- rhodopoda* ssp. *tianschanica* Singer, 1938b: 147  
Type information: USSR. Kazakhstan: near Alma Ata, 24 July 1937, *Kuznetzova & Nevodovski* (LE?)
- rosacea* var. *americana* Singer, 1938b: 146  
Type information: USA. Washington: Olympic National Forest, Hot Springs, 23 September 1935, *Smith* (MICH?)
- roseipes* ssp. *dictyospora* Singer, 1938b: 155  
Type information: USSR. Western Siberia: Altai Mtns., Kebesen, July-September, *Singer* (LE?)
- roseipes* ssp. *thermophila* Singer, 1957b: 257  
HOLOTYPE: USA. Florida: Alachua County, Gainesville, 10 July 1943, *Singer F* 2682 (FH)
- schiffneri* Singer, 1929b: 88  
Type information: USSR. Caucasus.
- semililacea* Singer, 1989a: 132  
HOLOTYPE: Colombia. Cundinamarca: near Boyacá, 8 April 1968, *Singer B* 6013 (F)
- septentrionalis* Singer, 1936f: 151  
Type information: USSR. Umgebung des Dorfes: Schtscheljagur, Flussgebiet der Petschora, 23 August 1926, *Zinserling*
- serotina* f. *minor* Singer, 1941b: 84  
Type information: USSR. Western Caucasus: Krasnodar, 27 July 1936, *Vasilieva* (LE?)
- smaragdina* var. *innocua* Singer, 1935b: 304  
Type information: Austria. Burgenland: Wienerwald, August.
- smithii* Singer, 1938b: 140  
Type information: USA. Washington: Olympic National Forest, 14 September 1935, *Smith* (MICH?)
- sororiicolor* Singer, 1983f: 250  
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 19 March 1980, *Singer B* 12045 (INPA)
- sphagnophila* var. *heterosperma* Singer, 1938b: 150  
Type information: USSR. Siberia: Oirotia, near lake Teletzkoje, August, *Singer* (LE?)
- sphagnophila* var. *subheterosperma* Singer, 1938b: 150  
Type information: USSR. Altai Mtns.: Lake Teletzkoje, September, *Singer* (LE?)
- sphagnophila* var. *subingrata* Singer, 1930: 209, 212  
Type information: Austria or Czechoslovakia, 1925.
- steinbachii* Cernohorsky & Singer, 1934a: 457  
"This taxon is established by a watercolor in Vienna Natural History Museum."
- subminutula* Singer, 1947c: 237  
Type information: Spain. Catalonia: Riu de Peñera, July 1934.
- subtorulosa* Singer, 1982b: 684, 685  
HOLOTYPE: Switzerland. Bern: Gstaad, 17 August 1970, *Singer C* 5085 (F)
- subvelata* Singer, 1929b: 90  
Type information: USSR. Caucasus.
- tennesseensis* Singer, 1939e: 229, 230  
Type information: USA. Tennessee: Great Smoky Mountain Natl Park, Cades Cove, August, *Smith* (MICH?)
- variegata* Singer, 1957b: 186  
HOLOTYPE: USA. Florida: Alachua County, Sugarfoot Hammock, 4 July 1943, *Singer F* 2544 (FH)
- venezueliana* Singer, 1952b: 295  
HOLOTYPE: Venezuela. Dto. Federal: Caracas, 18 November 1949, *Dennis* 408 (LIL)
- verna* Singer, 1983f: 216  
HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 3 June 1977, *St. John & Singer [Singer no.] B* 9918 (INPA)
- vinosa* ssp. *occidentalis* Singer, 1946g: 114  
No type information. [Published in 1948].
- wahgiensis* Singer, 1960j: 126  
HOLOTYPE: New Guinea. Admin. Australia: Río Wahgi Valle, *Dwyer* (MICH)
- xerampelina* var. *semirubra* Singer, 1957b: 218, 219  
HOLOTYPE: USA. Massachusetts, 31 August 1945, *Roxbury*, *Singer & Linder s. n.* (FH)

## SCUTIGER

- brasiliensis* Singer, 1983f: 22  
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 44, Estacao de Silvicultura Tropical, 6 January 1980, *Webber* 139 (INPA)

## SCYTINOPOGON Singer, 1945c: 139

Type species: *Pterula pallescens* Bres.

## SETCHELLIOGASTER

- tetrasporum* Singer, 1971d: 467  
HOLOTYPE: Chile. Malleco: Cordillera Nahuelbuta, 16 May 1967, *Singer M* 6923 (SGO)

**SIMOCYBE***aestivalis* Singer, 1973a: 49, 516

HOLOTYPE: Mexico. Veracruz: 7 km S of Montepío, Estación Biológica de las Tuxtlas, 20 June 1969, *Singer M 8080* (F)

*albovelutina* Singer, 1989a: 119

HOLOTYPE: Venezuela. Monagas: Caripe, 18 July 1972, *Dumont and others [Dumont no.] VE 5310* (NY)

*alneti* Singer, 1989a: 120

HOLOTYPE: Argentina. Jujuy: Lagunas de Yala, 10 February 1966, *Singer T 5024* (F)

*amazonica* Singer, 1973a: 513, 516

HOLOTYPE: Bolivia. El Beni: Vaca Diez, Riberalta, 29 March 1956, *Singer B 2319* (LIL?)  
Latin diagnosis says the type at F, but the type cannot be located at F.

*coniferarum* Singer, 1989a: 120

HOLOTYPE: Switzerland. Vaud: Bois d'Apples, 5 August 1970, *Singer C 5040* (F)

*coniferarum* var. *quercuum* Singer, 1989a: 120  
HOLOTYPE: USA. Illinois: White Pine State Park, 1 September 1975, *Singer N 7541* (F)

*coroiensis* Singer, 1973a: 507, 516

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, Co-roico, 8 February 1956, *Singer B 999* (F)

*corticalis* Singer, 1978h: 69

HOLOTYPE: Ecuador. Napo: Lago Agrio, 13 May 1973, *Singer B 7388* (F)

*junquillea* Singer, 1961b: 72

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 17 February 1955, *Singer T 2176* (LIL)

*magna* Singer, 1978h: 70

HOLOTYPE: Ecuador. Napo: Lago Agrio, 8 May 1973, *Singer B 7294* (F)

*microlepis* Singer, 1978h: 71

HOLOTYPE: Ecuador. Pichincha: Santo Domingo de los Colorados, 21 April 1973, *Singer B 7089* (F)

*ovalis* Singer, 1961b: 73

HOLOTYPE: Venezuela. Horto Bogotensi, no date, *Dennis 1072* (LIL, K)

*panamensis* Singer, 1989a: 121

HOLOTYPE: Panama. Panamá: Veraguas, 18 June 1975, *Dumont PA 560* (NY)

*peuillensis* Singer, 1969a: 290

HOLOTYPE: Chile. Llanquihue: Puella, 25 March 1963, *Singer M 3189* (BAFC)

*polytropoides* Singer, 1961b: 74

HOLOTYPE: Argentina. Tucumán: Playa Grande, 24 January 1951, *Singer T 1120* (LIL)

*reductoaffinis* Singer, 1961b: 71

HOLOTYPE: USA. Florida: Dade County, 11 December 1942, *Singer F 1618* (F)

*tucumana* Singer, 1961b: 72

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 26 February 1961, *Singer T 3661* (LIL)

*urosphaera* Singer, 1969a: 289

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Arroyo Frutillas, 28 April 1964, *Singer M 3624* (BAFC)

**SKEPPERIELLA***populi* Singer, 1963e: 210

HOLOTYPE: Argentina. Buenos Aires: Parque Pereyra, 20 June 1962, *Singer S 200* (BAFC)

**SMITHIOMYCES** Singer, 1944a: 366Type species: *Leucomyces mexicanus* Murr.**STIGMATOLEMMA***hyalinum* Singer, 1989a: 43

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 30 January 1978, *Singer B 10565* (INPA)

**STROBILOMYCES***confusus* Singer, 1945a: 108

HOLOTYPE: USA. Florida: Alachua County, Flatwood, east of Gainesville, July 1943, *Singer F 2782* (FH)

*pauper* Singer, 1983f: 126

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 112, 4 April 1978, *Singer B 10915* (INPA)

*pterosporus* Singer, 1945a: 114

HOLOTYPE: Liberia. Du River, Firestone # 3, *Linder 312* (FH)

**STROBILURUS** Singer, 1962b: 409Type species: *Agaricus conigenoides* Ellis*esculentus* var. *montezumae* Singer, 1973d: 32

HOLOTYPE: Mexico. Río Frio, 13 July 1969, *Singer s.n.* (F)

**STROPHARIA**

*aeruginosa* var. *neuquenensis* Moser & Singer, 1969a: 229

HOLOTYPE: Argentina. Neuquén: Rincón, 13 March 1963, *Singer & Moser [Singer no.] M 3520* (BAFC)

*andina* Singer, 1978h: 60

HOLOTYPE: Ecuador. Cotopaxi: Páramo de Cotopaxi, 20 May 1973, *Singer B 7085* (F)

*flocculosipes* Singer, 1969a: 230

HOLOTYPE: Chile. Santiago: Cerro Robles, 19 June 1967, *Singer M 6975* (SGO)

## SUILLUS

- brevipes* var. *aestivalis* Singer, 1945b: 267  
Type information: USA. Florida: Alachua County, Gainesville.
- chiapasensis* Singer, 1973d: 99  
HOLOTYPE: Mexico. Chiapas: 5 km W of San Cristobal de las Casas, 2 August 1969, *Singer M* 8908 (F)
- cothurnatus* ssp. *aestivalis* Singer, 1945b: 261  
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 2 September 1942, *Singer F* 478 (FH)
- cothurnatus* ssp. *hiemalis* Singer, 1945b: 261, 263  
HOLOTYPE: USA. Florida: Alachua County, Gainesville, December 1942-January 1943, *Singer F* 1666 (FH)
- granulatus* ssp. *snellii* Singer, 1945e: 40  
Type information: USA. New Hampshire: Chocorua, *Linder & Singer* (FH)
- hirtellus* ssp. *cheimonophilus* Singer, 1945b: 274  
HOLOTYPE: USA. Florida: Highlands County, 30 January 1943, *Singer F* 1772? (FH)
- hirtellus* ssp. *thermophilus* Singer, 1945b: 275  
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, August-September 1942, *Singer F* 543 (FH)
- lithocarpisequoiae* Singer, 1959n: 589  
HOLOTYPE: USA. California: Marin County, Muir Woods, 30 January 1958, *Singer N* 1531 (LIL)
- nueschii* var. *caerulescens* Singer, 1961b: 82  
HOLOTYPE: USSR. Kurai, 1937, *Singer & Vasilieva s.n.* (LE)
- ruber* Singer & Sipe, 1946g: 103  
HOLOTYPE: USA. Oregon: Odell Creek, *Sipe* 333 (FH). [Published in 1948].

## TECTELLA

- phellodendri* Singer, 1943a: 156  
Type information: USSR. Khabarovski Krai.

## THAXTEROGASTER Singer, 1951c: 216

- Type species: *Thaxterogaster magellanicum* Singer.
- bibulum* Singer, 1969a: 361  
HOLOTYPE: Argentina. Río Negro: Laguna Frías and Pas de las Nubes, 3-4 May 1964, *Singer M* 3951 (BAFC)
- brevisporus* Singer, 1960d: 386  
HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Los Cántaros, 15 March 1959, *Singer M* 1817 (LIL)

## *dombeyi* Singer, 1960d: 385

HOLOTYPE: Argentina. Río Negro: Nahuel Huapí National Park, Arroyo Blest, 17 March 1959, *Singer M* 1861 (LIL)

## *fragile* var. *cortinariopsis* Singer, 1969a: 364

HOLOTYPE: Chile. Llanquihué: Salto de Petrohue, 11 May 1967, *Singer M* 6838 (SGO)

## *magellanicum* Singer, 1951c: 219

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, Lago Fagnano, 10 February 1950, *Singer M* 515 (LIL)

## *subalbidum* Singer, 1963l: 24

HOLOTYPE: Chile. Magallanes: Punta Arenas, 5 March 1906, *Thaxter, Fungi Hypogaeus* 4 (FH)

## *tylostomatooides* Singer, 1969a: 365

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, above Puerto Manzano, 26 April 1964, *Singer M* 3576 (BAFC)

## *violaceum* Singer, 1951c: 216

HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano (Kamél), 19 February 1950, *Singer M* 362 (LIL)

## TRICHOLOMA

### *altaicum* Singer, 1943a: 72

Type information: USSR. Altai Mtns. Central: Alpes Czuiae, August.

### *corticatellum* Singer, 1954b: 107, 108

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 15 May 1952, *Singer M* 636 (LIL)

### *corticatum* Singer, 1952c: 192

HOLOTYPE: Argentina. Tierra del Fuego: Río Grande, Estancia Nueva Argentina, 22 February 1950, *Singer M* 433 (LIL)

### *diemii* Singer, 1954b: 108

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 14 May 1952, *Singer M* 600 (LIL)

### *elvirae* Singer, 1969a: 38

HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 27 April 1967, *Singer M* 6545 (SGO)

### *fagnani* Singer, 1952c: 194

HOLOTYPE: Argentina. Tierra del Fuego: Lago Fagnano, 19 February 1950, *Singer M* 366 (LIL)

### *fusisporum* Singer, 1943a: 71

Type information: USSR. Oirotia: Altai Mtns. Central, July-August.

### *glaucoalbum* Singer, 1948c: 28

HOLOTYPE: USA. Virginia: Mountain Lake, *Wilson V-128* (FH)

### *moseri* Singer, 1973d: 17

HOLOTYPE: Mexico. Dto. Federal, Paso de Cortés, 23 July 1969, *Singer M* 8521 (F). Also published in 1989a: 11.

*mostnyae* Singer, 1969a: 38

HOLOTYPE: Chile. Valdivia: Cuesta Santa Elvira, 14 May 1967, *Singer M* 6883 (SGO)

*ochraceorobustum* var. *cautinense* Singer, 1969a: 37

HOLOTYPE: Chile. Cautín: Pidenco, 26 April 1967, *Singer M* 6540b (SGO)

*patagonicum* Singer, 1954b: 109

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Quetrihué, 16 May 1952, *Singer M* 684 (LIL)

*pseudosordidum* Singer, 1945d: 434

HOLOTYPE: USA. Florida: Dade County, Miami, 29 September 1942, *Singer F* 900 (FH)

## TRICHOLOMOPSIS

*araucariae* Singer, 1953d: 119

HOLOTYPE: Brazil. Parací, 2 November 1951, *Singer B* 50 (LIL)

*elatipes* Singer, 1989a: 10

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 23 June 1977, *Singer & Araújo [Singer no.] B* 10006 (INPA)

*elegans* var. *minor* Singer, 1973d: 13

HOLOTYPE: Brazil. Pará: near Belém, 5 June 1966, *Singer B* 4196 (BAFC)

*humboldtii* Singer, Ovrebo & Halling, 1990c: 456

HOLOTYPE: Colombia. Antioquia: San José de la Montaña, Along road from San José de la Montaña to Labores, 26 November 1986, *Ovrebo* 2554 (HUA). Isotype: CSU and NY.

*tricholomoides* Singer, 1989a: 11

HOLOTYPE: Brazil. Amazonas: Ilha Janauarí, 18 March 1983, *Singer B* 12429 (F)

## TUBARIA

*agrocybeoides* Singer, 1941e: 96

Type information: USSR. Altai Mtns.: near Lake Kurai, 16 August 1937, *Singer* (LE?)

*furfuracea* var. *novembris* Singer, 1969a: 322

HOLOTYPE: Argentina. Neuquén: Lago Lácar, 5 November 1966, *Singer M* 6009 (BAFC)

*omphaliopsis* Singer in Singer & Digilio, 1951e: 397

HOLOTYPE: Argentina. Tucumán: Ciudad, 7 January 1949, *Singer T* 89 (LIL) [Published in 1952]

*pentstemonis* Singer, 1957a: 368

HOLOTYPE: Mexico. Dto. Federal, Paso de Corts, 21 July 1957, *Singer M* 1560 (MICH)

*pseudoripartites* Singer in Singer & Digilio, 1951e: 396

HOLOTYPE: Argentina. Salta: Corralitos, 24 March 1951, *Singer T* 1419 (LIL) [Published in 1952]

*strophosa* Singer, 1969a: 319

HOLOTYPE: Argentina. Neuquén: Nahuel Huapí National Park, Arroyo Frutillas, 28 April 1964, *Singer M* 3639 (BAFC)

*thermophila* Singer, 1946g: 145

HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 2 August 1942, *Singer F* 20, *F* 20a (FH). [Published in 1946].

## TYLOPILUS

*acutesquamosus* Singer, 1983f: 117

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 12 January 1979, *Singer B* 11483 (INPA)

*arenarius* Singer, 1978a: 432

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 3 February 1978, *Singer B* 10590 (INPA)

*brachypus* Singer, Garcia & Gómez, 1991a: 47, 89

HOLOTYPE: Mexico. Durango: between Potrerito Mesa Larga and Arroyo Presa Los Altares, in Reserva de la Biosfera de la Michilia, 4 September 1983, *Valenzuela* 2470 (F). Isotype in ENCB

*cellulosus* Singer, 1947a: 105

Type information: Liberia. Nengbe, *Harley* 60 (FH)

*corneri* Singer, 1991a: 50, 89

HOLOTYPE: Costa Rica. San José: 6 km W of Empalme, 2 July 1983, *Gómez & Alfaro* 20582 (F)

*costaricensis* Singer & Gómez, 1991a: 36, 89

HOLOTYPE: Costa Rica. San José: 1.1 km E of "La Perla" restaurante, Empalme, July 1983, *Gómez & Alfaro* 20621 (F)

*gomezii* Singer, 1991a: 30, 89

HOLOTYPE: Costa Rica. Cartago: near San Cristobal, 2 km SE of junction of Highway No. 2 to San Cristobal, November 1983, *Gómez & Alfaro* 22018b (F)

*guanacastensis* Singer, 1983f: 110

HOLOTYPE: Costa Rica. Guanacaste: Bagaces, 7 km NW of town, October 1982, *Gómez* 18724 (F)

*hondurensis* Singer & Ivory, 1983f: 109

HOLOTYPE: Honduras. Siguatepeque, 12 October 1976, *Ivory* S/249 (F)

*jalapensis* Singer & Garcia, 1991a: 16, 89

HOLOTYPE: Mexico. Jalapa: near border of Veracruz, NE of Lencero, 14-19 July 1985, *Garcia* 4767 (F)

*lividobrunneus* Singer, 1973d: 103

HOLOTYPE: Mexico. Oaxaca: San Augustín, 10 July 1969, *Singer M* 8393 (F)

*minor* Singer, 1945i: 799

Type information: USA. Florida. Alachua County, Gainesville.

*mitissimus* Singer & Gómez, 1991a: 17, 89

HOLOTYPE: Costa Rica. San José: La Chonta, 7 June 1983, Singer & Gómez [Singer no.] B 14090 (F)

*montanus* Singer, 1989a: 125

HOLOTYPE: Costa Rica. San José: La Chonta, 11 July 1982, Gómez 19199 (F)

*montoyae* Singer & Garcia, 1991a: 19, 89

HOLOTYPE: Mexico. Veracruz: Road San Andres-Tlalnehuayocan, Plan de Sedeno, 28 June 1986, Montoya-Bello 699 (F)

*nicaraguensis* Singer & Ivory, 1983f: 107

HOLOTYPE: Nicaragua. Silitma Sia, May 1976, Ivory S/20 (F)

*peralbidus* var. *rhodoconius* Singer, 1945i: 799

Type information: USA. Florida. Alachua County, Gainesville.

*potamogeton* Singer, 1978a: 433

HOLOTYPE: Brazil. Amazonas: Ponta Negra, 18 December 1977, Singer & Prance [Singer no.] B 10351 (INPA)

*potamogeton* var. *aquarius* Singer, 1983f: 122

HOLOTYPE: Brazil. Amazonas: Igarapé do Taramãzinho, 14 December 1978, Singer B 11433 (INPA)

*potamogeton* var. *mitis* Singer, 1989a: 125

HOLOTYPE: Brazil. Amazonas: Igarapé do Taramãzinho, 13 March 1983, Singer B 12425 (INPA)

*sanctaerosae* Singer, 1983f: 112

HOLOTYPE: Costa Rica. Guanacaste: Parque Nacional Santa Rosa, 25 July 1981, Gómez & Singer [Singer no.] B 12436 (F)

*subcellulosus* Singer & Garcia, 1991a: 32, 90

HOLOTYPE: Mexico. Tamaulipas: Rancho El Cielo, 9 July 1984, Garcia 3781 (F)

*subniger* Singer, Garcia & Gómez, 1991a: 38, 90

HOLOTYPE: Costa Rica. San José: Jardin de Dota, 6 km W of Empalme, 8 June 1984, Singer B 14555a (F)

*tabacinus* var. *amarus* Singer, 1945i: 799

Type information: USA. Florida. Alachua County, Gainesville.

*tabacinus* var. *dubius* Singer, 1945i: 799

Type information: USA. Florida. Alachua County, Gainesville.

*venezuelae* Singer & Digilio, 1960i: 163

HOLOTYPE: Venezuela. Miranda: Los Guayabitos, 8 June 1958, Dennis 1001 (K, LIL)

*vinaceogriseus* Singer, Garcia & Gómez, 1991a: 40, 90

HOLOTYPE: Costa Rica. San José: La Chonta, 17 June 1983, Singer B 14360 (F)

*williamsii* Singer & Garcia, 1991a: 33

HOLOTYPE: Mexico. Veracruz: 5 km NE of Lencero, road Jalapa-Veracruz, 14 July 1985, Garcia 4759 (F)

## VELOPORPHYRELLUS Gómez & Singer, 1984f: 293

Type species: *Veloporphyrrellus pantoleucus* Gómez & Singer

*pantoleucus* Gómez & Singer, 1984f: 293

HOLOTYPE: Costa Rica. Cartago: near San Cristobal, 1.5 km SE of junction of dirt road to San Cristobal and Rt. 2, November 1983, Gómez 22007 (F)

## VOLVARIELLA

*lepiotospora* Singer, 1955a: 774

HOLOTYPE: USA. Florida: Dade County, Mattheson Hammock, 20 October 1942, Singer F 1143 (F)

*macrospora* Singer, 1989a: 92

HOLOTYPE: Brazil. Amazonas: 30 km N of Manaus, 11 May 1977, Singer B 9863 (F)

*psammophila* Singer, 1989a: 92

HOLOTYPE: Argentina. Buenos Aires: Parque Ezeiza, 1966, Havrizco [Singer no.] 703 (BAFC)

*rondoniensis* Singer, 1989a: 93

HOLOTYPE: Brazil. Rondônia: Ouro Preto, 17 April 1978, Singer B 10969 (INPA)

*subixerophytica* Singer, 1989a: 93

HOLOTYPE: Argentina. Tucumán: Pié del Periquillo, 30 December 1951, Singer T 1687 (LIL). Deposited as "Volvariella taylori"

## VOLVOLEPIOTA

*albida* Singer, 1959i: 12

HOLOTYPE: Argentina. Tucumán: Sierra de San Javier, 9 January 1959, Singer, Lowy & Guerrero [Singer no.] T 3202 (LIL)

## WERAROA Singer, 1958b: 46

Type species: *Secotium novaezelandiae* Cunningham

*patagonica* Singer & Wright, 1959d: 607

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Lago Traful, no date, Andreis & Wright BAFC 20.080 (BAFC)

*spadicea* Singer, 1960d: 389

HOLOTYPE: Argentina. Neuquén: Nahuel Huapi National Park, Quetrihué, 3 May 1959, Diem 2875 (LIL)

**XANTHOCHROUS**

*cuticularis* f. *platani* Singer, 1936i: 423  
No type information. No Latin diagnosis.

**XANTHOCONIUM** Singer, 1944a: 361

Type species: *Gyroporus stramineus* Murr.

**XEROCOMUS**

*amazonicus* Singer, 1978a: 429  
HOLOTYPE: Brazil. Amazonas: 60 km N of Manaus, 20 December 1977, *Singer & Araujo [Singer no.] B 10360* (INPA)

*amazonicus* var. *obscuratus* Singer & Araujo, 1983f: 78  
HOLOTYPE: Brazil. Amazonas: Ponta Negra, 30 December 1978, *Singer B 11451* (INPA)

*bakshii* Singer & Singh, 1971a: 31  
HOLOTYPE: India. Uttar Pradesh: Dehra Dun, July 1968, *Bakshi 9021* (FRI, F). (FRI = Forest Research Institute, India)

*campinaranae* Singer, 1983f: 66  
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 4 April 1978, *Singer B 10917* (INPA)

*chapinii* Singer, 1983f: 74  
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 12 March 1980, *Chapin, Araujo & Singer [Singer no.] B 12027* (INPA)

*flavus* Singer & Kuthan, 1976h: 153  
HOLOTYPE: Czechoslovakia. Southern Moravia: Zdravá Voda, žadánický, 4 August 1974, *Kříž & Singer [Singer no.] C 5759* (F)

*globuliger* Singer, 1983f: 68  
HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 125, 22 May 1978, *Singer B 11015* (INPA)

*hemixanthus* Singer, 1945b: 292  
HOLOTYPE: USA. Florida: Alachua County, 1 July 1943, *Singer F 2473?* (FH)

*hypoxanthus* Singer, 1945b: 289  
HOLOTYPE: USA. Florida: Highlands County, Highlands Hammock State Park, 2 September 1942, *Singer F 626* (FH)

*illudens* ssp. *xanthomycelinus* Singer, 1945b: 294  
HOLOTYPE: USA. Florida: Alachua County, Gainesville, May 1943, *Singer F 2167* (FH)

*indicus* Singer, 1946g: 104  
Type information: USA. Roxb Ladhar St., Sultan Ahmed 44 (FH). [Published in 1948].

*inundabilis* Singer, 1983f: 70  
HOLOTYPE: Brazil. Amazonas: Igarapé do Tarumázinho, 14 December 1978, *Singer B 11432* (INPA)

*linderi* Singer, 1945b: 296

Type information: Liberia. near Banga, October, *Linder 1211* (FH)

*microsporus* Singer & Grinling, 1967c: 372

HOLOTYPE: Zaire. Brazzaville: near Djoué river, December 1965, *Grinling 51,204* (BAFC)

*radicicola* Singer, 1978a: 430

HOLOTYPE: Brazil. Amazonas: Along Río Negro, 17 January 1978, *Araujo 916* (INPA)

*scrobiculatus* Singer, 1983f: 81

HOLOTYPE: Brazil. Amazonas: Road Manaus-Caracaraí, km 45, 24 March 1978, *St. John & Singer [Singer no.] B 10856* (INPA)

*truncatus* Singer, Snell & Dick, 1959m: 573

HOLOTYPE: USA. North Carolina: Highlands, 26 July 1941, *Coker 12426* (UNC, FH)

**XEROMPHALINA**

*austroandina* Singer, 1965d: 303, 309

HOLOTYPE: Argentina. Río Negro: Laguna Frías, 21 March 1963, *Singer M 3120* (BAFC)

*helbergeri* Singer in Singer & Digilio, 1951e: 240

HOLOTYPE: Argentina. Tucumán: Cerro Alto del Taficillo, 29 July 1951, *Helberger [Singer no.] T 1587* (LIL) [Published in 1952]

*mesopora* Singer, 1938a: 196

Type information: USSR. Kazakhstan: Aktura, Czuiskie Alpy, 2 August 1937, *Vasilieva (LE?)*

*tropicalis* Singer, 1989a: 89

HOLOTYPE: Brazil. Amazonas: Road Manaus-Itacoatiara, km 21, 18 November 1978, *Aguiar & Souza [Singer no.] B 11427* (INPA)

*yungensis* Singer, 1989a: 89

HOLOTYPE: Bolivia. La Paz: Nor-Yungas, 1 February 1956, *Singer B 795* (F)

**XERULA**

*verruculosa* Singer, 1953b: 6

HOLOTYPE: Argentina. Catamarca: Río Chacras, 10 February 1952, *Singer T 1845* (LIL)

**XERULINA** Singer, 1961b: 59

Type species: *Lentinus chrysopeplus* Berk. & Curt.

**ZELLEROMYCES** Singer & Smith, 1960h: 18

Type species: *Zelleromyces cinnabarinus* Singer & Smith

- cinnabarinus* Singer & Smith, 1960h: 19  
HOLOTYPE: USA. Louisiana: Jackson County,  
26 December 1931, *Smith & Brown s.n.*  
(MICH)
- gilkeyae* Singer & Smith, 1960h: 21  
HOLOTYPE: USA. Oregon: near Reedsport, 22  
October 1938, *Gilkey [Zeller no.] 8498* (NY)

- oregonensis* Singer & Smith, 1960h: 19  
HOLOTYPE: USA. Oregon: Comstock, 23 Oc-  
tober 1937, *Zeller 8333* (NY)



# The Publications of Rolf Singer

*Gregory M. Mueller*

*Qiuxin Wu*

*James H. Ginns*

*Scott A. Redhead*

This is intended to be a complete list of the publications of Rolf Singer, not only those describing new taxa. Publications are listed by the year stated on the publication, and a suffix (a, b, c, etc.) designates multiple publications within a year. When the year stated on the publication is different from the year of actual publication (e.g., 1950j), the actual date of publication is noted in [ ] at the end of the citation. Titles of papers are primarily given in their original languages. Only a few papers in Russian are translated into English, and these are presented in [ ]. Coauthorships are noted at the end of the citation, and names of the coauthors that appeared in front of Singer's name on the publication are underlined.

Two aspects of the format used in the following publication list need explanation. First, although the papers are presented in chronological order to year, within a year they are not necessarily listed chronologically. Publications are listed in the order that they appear in Dr. Singer's bound reprints since dates (year plus letter) were assigned as data were added to the database of new taxa presented in the preceding chapter. Second, we cite publications as they appear on the actual article, so some titles do not conform to current, standard journal citations such as given in the *Botanico-Periodicum-Huntianum* (B-P-H).

1922a *Collybia velutipes* (Curt.) n.f. *aestivalis* und das periodische Pilzwachstum in den vier Jahreszeiten. Zeitschrift für Pilzkunde 1: 40–41.

- 1922b Pflanzengeographische Beobachtungen an oberbayerischen und oberpfälzischen Hymenomyceten. Zeitschrift für Pilzkunde 1: 63–66.
- 1922c Über die Gattung *Psalliot*a. Zeitschrift für Pilzkunde 1: 21–24.
- 1922d Über den Wert der Gattung *Rozites* (Karsten). Annales Mycologici 20: 296–299.
- 1922e Zur Pilzflora der Oberpfalz. Zeitschrift für Pilzkunde 1: 48.
- 1923a Die Täublinge Mitteleuropas. Ein monographischer Beitrag zur Pilzflora Deutschlands und der angrenzenden Länder. Zeitschrift für Pilzkunde 2: 1–20.
- 1923b Eine fragliche *Psilocybe*. Zeitschrift für Pilzkunde 2: 39–40.
- 1923c *Russula xerampelina* (Schff.) Fr. Zeitschrift für Pilzkunde 2: 172–174.
- 1923d Interessantes über Winterpilze. Zeitschrift für Pilzkunde 2: 47.
- 1923e Über deutsche Namen für die Pilze. Zeitschrift für Pilzkunde 2: 47.
- 1923f Berichtigungen zu "Die Täublinge Mitteleuropas." Zeitschrift für Pilzkunde 2: 113.
- 1923g Pflanzengeographische Beobachtungen an oberbayerischen und oberpfälzischen Hymenomyceten. 2. Reihe. Zeitschrift für Pilzkunde 2: 115.
- 1924a Kritische Formenkreise aus der Gattung *Russula*. I. Zeitschrift für Pilzkunde 3: 73–78.
- 1924b Kritische Formenkreise aus der Gattung *Russula*. II. Zeitschrift für Pilzkunde 3: 107–112.
- 1924c Berichtigung. Zeitschrift für Pilzkunde 3: 119.
- 1925a Zur *Russula*-Forschung. Zeitschrift für Pilzkunde 5: 73–80.
- 1925b Pflanzengeographische Beobachtungen an oberbayerischen und oberpfälzischen Hymenomyceten. 3. Reihe. Zeitschrift für Pilzkunde 4: 37–44.
- 1925c Kritische Formenkreise aus der Gattung *Russula*. III. Zeitschrift für Pilzkunde 5: 13–18.

- 1926 Monographie der Gattung *Russula*. Ire édition. *Hedwigia* **66**: 163–260.
- 1927a Die häufigeren Basidiomyceten der Umgebung von Ötztal (Tirol). *Zeitschrift für Pilzkunde* **6**: 145–147.
- 1927b Wie bestimmt man frische Täublinge? *Zeitschrift für Pilzkunde* **6**: 169–176.
- 1927c *Russula vesca* und *Russula constans*. *Zeitschrift für Pilzkunde* **6**: 122–123.
- 1928a Drei seltene, ausserhalb Deutschlands heimische Russulaceae. *Zeitschrift für Pilzkunde* **7**: 42–44.
- 1928b Die Täublinge der östtaler Alpen. *Zeitschrift für Pilzkunde* **7**: 75–77.
- 1928c Ziele der systematischen Hymenomycetenforschung. *Zeitschrift für Pilzkunde* **7**: 161–167.
- 1928d Die Täublingsexkursion am 6 September 1927–anlässlich des Münchener Kongresses. *Zeitschrift für Pilzkunde* **7**: 114–115.
- 1928e Neue Mitteilungen über die Gattung *Russula*. I. *R. sardonia* Fr. oder der Formenkreis *R. queletii* Fr. und II. Die gelben hellsporigen Piperatae. *Hedwigia* **48**: 191–202.
- 1928f Besprechung einiger Arbeiten aus dem Bulletin trimestriel de la Société Mycologique de France. Tome XLII, 1926. *Zeitschrift für Pilzkunde* **7**: 14–15.
- 1928g Berichtigung. *Zeitschrift für Pilzkunde* **7**: 30.
- 1928h Verschiedene Beiträge zur Geniessbarkeit des netzartigen Hexen-Röhrlings. Ein gefährlicher Giftpilz? *Zeitschrift für Pilzkunde* **7**: 85–87.
- 1929a Beitrag zur systematischen Stellung des *Pleurotus nidulans*. *Archiv für Protistenkunde* **65**(3): 314–320.
- 1929b Pilze aus dem Kaukasus. I. Ein Beitrag zur Flora des südwestlichen Zentral-Kaukasus. Beihefte zum Botanischen Centralblatt **46**(2): 71–113.
- 1929c Sitzung der mathematisch-naturwissenschaftlichen Klasse vom 10 Jänner 1929. Akademie der Wissenschaften in Wien. *No. 1*: 1–4.
- 1929d Sitzung der mathematisch-naturwissenschaftlichen Klasse vom 24 Oktober 1929. Akademie der Wissenschaften in Wien. *No. 20*: 1–2.
- 1929e *R. coerulea*, *R. amoena* a *R. amara* Kuč. (ne Mre). Časopis československých houbařů **9**: 77–79 (with J. Zvára).
- 1929f Eine neue *Russula*-Art: *Russula mairei* nov. spec. *Archiv für Protistenkunde* **65**(3): 306–314.
- 1929g Neue Mitteilungen über die Gattung *Russula*. III–IV. *Hedwigia* **67**: 253–261.
- 1929h *Russula mairei* Singer. *Bulletin de la Société Mycologique de France* **45**: 103–105.
- 1930 Contributions à l'étude des Russules. Note sur deux variétés nouvelles. *Bulletin de la Société Mycologique de France* **46**: 209–212.
- 1931 Pilze aus dem Kaukasus. II. Ein Beitrag zur Flora Swetjens und einiger angrenzender Täler. Beihefte zum Botanischen Centralblatt **48**: 513–542.
- 1932 Monographie der Gattung *Russula*. Beihefte zum Botanischen Centralblatt **49**: 205–380.
- 1933 Mykologische Studien im Hochgebirge des Kaukasus. *Schweizerische Zeitschrift für Pilzkunde* **11**: 157–160.
- 1934a Vorarbeiten zur Russulaflora österreichs. *Annales Mycologici* **32**: 448–463 (with Th. Cernohorsky).
- 1934b *Russula variata* Bann. und *Russula lactea* Fr. Feddes Repertorium **33**: 350–352.
- 1935a Etude systématique sur les *Melanoleuca* d'Europe et clé des espèces observées en Catalogne. Cavanillesia **7**: 122–132.
- 1935b Supplemente zu meiner Monographie der Gattung *Russula*. *Annales Mycologici* **33**: 297–352.
- 1935c Sur quelques Russules exotiques. *Annales de Cryptogamie exotique* **8**: 88–93.
- 1935d Sur la classification des Russules. *Bulletin de la Société Mycologique de France* **51**: 281–304.
- 1935e *Russula schiffneri* Sing. *Bulletin de la Société Mycologique de France* **51**: 102–103.
- 1936a *Melanoleuca kavinae* (Pil. et Ves.) Sing. nov. comb., de la série des Alboflavidae Sing. *Revue de Mycologie* **1**: 38–39.
- 1936b Contribution à l'étude des Russules. II. Observations floristiques. *Bulletin de la Société Mycologique de France* **52**: 111–114.
- 1936c Les Russules de l'herbier de Boudier. *Revue de Mycologie* **1**: 19–24.
- 1936d Notes sur quelques Basidiomycètes. I. *Revue de Mycologie* **1**: 75–84.
- 1936e Notes sur quelques Basidiomycètes. II. *Revue de Mycologie* **1**: 279–293.
- 1936f Studien zur Systematik der Basidiomyceten. I. Beihefte zum Botanischen Centralblatt **56**: 137–156.
- 1936g Studien zur Systematik der Basidiomyceten. II. Beihefte zum Botanischen Centralblatt **56**: 157–174.
- 1936h Das System der Agaricales. I. *Annales Mycologici* **34**: 286–378.
- 1936i Bemerkungen über einige Basidiomyceten. *Annales Mycologici* **34**: 423–434.
- 1936j Sur quelques Clavaires collectionnés dans les oranges de l'Institut Botanique de l'Academie des Sciences de l'USSR à Leningrad. *Journal Botanique de l'URSS* **21**: 723–725 (with A. S. Bondartsev).
- 1937 Notes sur quelques Basidiomycètes. III. *Revue de Mycologie* **2**: 226–242.
- 1938a Notes sur quelques Basidiomycètes. IV. *Revue de Mycologie* **3**: 187–199.
- 1938b Contribution à l'étude des Russules. III. Quelques Russules américaines et asiatiques. *Bulletin de la Société Mycologique de France* **54**: 132–177.
- 1938c Sur les genres *Ixoconus*, *Boletinus*, *Phylloporus*, *Gyrodon* et *Gomphidius*. *Revue de Mycologie* **3**: 35–53.
- 1938d Sur les genres *Ixoconus*, *Boletinus*, *Phylloporus*, *Gyrodon* et *Gomphidius*. 2. Les *Boletinus*. *Revue de Mycologie* **3**: 157–177.
- 1938e De nonnullis Basidiomycetibus. I. Botaničeskie materialy Otdela sporovyh rastenij Botaničeskogo instituta imeni V. L. Komarova Akademii Nauk SSSR **10–12**: 4–18.
- 1938f Les Rússules de Catalunya i clau per a llur determinació. Cavanillesia Rerum Botanicarum Acta (Barcinone) **8**: 144–159.

- 1938g Über Lärchen, Zirben-und Birkenröhrlinge. Schweizerische Zeitschrift für Pilzkunde **16**: 123–126, 134–137, 148–150.
- 1938h [The production of ink from the spores of fungi]. Priroda **1**: 121–123.
- 1938i Review of: [Mushrooms, procurement and processing], by Prof. L. A. Lebedeva. Priroda **7–8**: 210–212 (with V. Transchel, A. S. Bondartsev, and L. Vasiliieva).
- 1939a Notes sur quelques Basidiomycètes. V. Revue de Mycologie **4**: 64–72.
- 1939b O novykh dannykh dlja sistematiki i filogenii Agaricales kak potomkov Gasteromycetes [On new data for the taxonomy and phylogeny of the Agaricales as descendants of the Gasteromycetes]. Soviet-skaia Botanika **1939**(1): 95–98.
- 1939c Phylogenie und Taxonomie der Agaricales. Schweizerische Zeitschrift für Pilzkunde **17**: 23–28, 35–39, 52–57, 71–73, 84–87, 97–101.
- 1939d [On anti-Darwinistic tendencies in contemporary taxonomics of higher basidiomycetous fungi]. Soviet-skaia Botanika **1939**(6–7): 139–144.
- 1939e Contribution à l'étude des Russules. IV: Quelques Russules américaines et asiatiques (suite). Bulletin de la Société Mycologique de France **55**: 226–283.
- 1939f Review of: Les Lactario-Russules du Domaine Oriental de Madagascar, by R. Heim. 196 pp. Paris. Sovietskaia Botanika **1939**(1): 128.
- 1940 Notes sur quelques Basidiomycètes. VI. Revue de Mycologie **5**: 3–13.
- 1941a Zur Systematik der Polyporaceen. Annales Mycologici **39**: 43–65 (with A. S. Bondartsev).
- 1941b De nonnullis Basidiomycetibus. II. Botaničeskie materialy Otdela sporovyh rastenij Botaničeskogo instituta imeni V. L. Komarova Akademii Nauk SSSR **5**(4–6): 84–86.
- 1941c Is shiitake a *Cortinellus*? Mycologia **33**: 449–451.
- 1941d O ponyatii vida u vysshich basidialnykh gribov [On the concept of species in higher Basidiomycetes]. Sovietskaia Botanika **1940**(5–6): 262–269.
- 1941e Cortinariaceae novae et minus cognitae. Botaničeskie materialy Otdela sporovyh rastenij Botaničeskogo instituta imeni V. L. Komarova Akademii Nauk SSSR **5**(7–9): 92–100.
- 1942a A monographic study of the genera *Crinipellis* and *Chaetocalathus*. Lilloa **8**: 441–534 [published in 1943]
- 1942b Das System der Agaricales. II. Annales Mycologici **40**: 1–132.
- 1942c Type studies on agarics. Lloydia **5**: 97–135.
- 1942d Type studies on Basidiomycetes. I. Mycologia **34**: 64–93.
- 1942e Roaming Russia's Caucasus. National Geographic **82**: 91–121.
- 1942f The Caucasus: Soviet training ground for mountaineers. Appalachia **94**: 149–154.
- 1943a Das System der Agaricales. III. Annales Mycologici **41**: 1–189.
- 1943b A monograph on the genus *Leucopaxillus* Bourzier. Papers of the Michigan Academy of Science, Arts & Letters **28**: 85–132, 8 plates (with A. H. Smith).
- 1943c Type studies on Basidiomycetes. II. Mycologia **35**: 142–163.
- 1943d K yestestvennoy sisteme trutovykh gribov [On the natural system of Polyporaceous fungi]. Soviet-skaia Botanika **1943**(1): 29–43 (with A. S. Bondartsev).
- 1944a New genera of fungi. Mycologia **36**: 358–368.
- 1944b Notes on taxonomy and nomenclature of the polypores. Mycologia **36**: 65–69.
- 1944c On some Basidiomycetes new for the United States. Mycologia **36**: 552–554.
- 1945a The Boletineae of Florida with notes on extralimital species. I. The Strobilomycetaceae. Farlowia **2**: 97–141.
- 1945b The Boletineae of Florida with notes on extralimital species. II. The Boletaceae (Gyroporoideae). Farlowia **2**: 223–303.
- 1945c New genera of fungi. II. Lloydia **8**: 139–144.
- 1945d New and interesting species of Basidiomycetes. I. Mycologia **37**: 425–439.
- 1945e Notes on Farlow's Agaricales from Chocorua. Farlowia **2**: 39–51.
- 1945f A monograph of the genus *Cystoderma*. Papers of the Michigan Academy of Science, Arts & Letters **30**: 71–124 (with A. H. Smith).
- 1945g The *Laschia*-complex (Basidiomycetes). Lloydia **8**: 170–230.
- 1945h The taxonomic position of *Polyporoletus sublividus*. Mycologia **37**: 124–128 (with W. H. Snell and W. L. White).
- 1945i New Boletaceae from Florida. Mycologia **37**: 797–799.
- 1946a The Boletineae of Florida with notes on extralimital species. IV. The lamellate families (Gomphidiaceae, Paxillaceae and Jugasperaceae). Farlowia **2**: 527–567.
- 1946b Proposals concerning the nomenclature of the gill fungi including a list of proposed lectotypes and genera conservanda. Mycologia **38**: 240–299 (with A. H. Smith).
- 1946c Type studies on agarics. II. Lloydia **9**: 114–131.
- 1946d The taxonomic position of *Pholiota mutabilis* and related species. Mycologia **38**: 500–523 (with A. H. Smith).
- 1946e Two new species in the Agaricales. Mycologia **38**: 687–690.
- 1946f A new species of *Hydropus* (Kühn.) Sing. (Agaricales). Mycologia **38**: 227–228.
- 1946g New and interesting species of Basidiomycetes. II. Papers of the Michigan Academy of Science, Arts & Letters **32**: 103–150. [published in 1948]
- 1947a The Boletoideae of Florida. The Boletineae of Florida with notes on extralimital species. III. The American Midland Naturalist **37**: 1–135.
- 1947b New genera of fungi. III. Mycologia **39**: 77–89.
- 1947c Champignons de la Catalogne. Espèces observées en 1934. Collectanea Botanica (Barcelona) **1**: 199–246.

- 1947d Coscinoids and coscinocystidia in *Linderomyces lateritius*. *Farlowia* **3**: 155–157.
- 1947e Type studies on Basidiomycetes. III. *Mycologia* **39**: 171–189.
- 1947f Additional notes on the genus *Leucopaxillus*. *Mycologia* **39**: 725–736 (with A. H. Smith). [published in 1948]
- 1947g Contributions towards a monograph of the genus *Crepidotus*. *Lilloa* **13**: 59–95. [published in 1948]
- 1948a New genera of fungi. IV. *Mycologia* **40**: 262–264.
- 1948b Review of: North American Species of *Mycena*, by A. H. Smith. *Bulletin of the Torrey Botanical Club* **75**: 117–119.
- 1948c Diagnoses fungorum novorum Agaricalium. *Syndowia* **2**: 26–42.
- 1948d Notes on the genus *Cystoderma*. *Mycologia* **40**: 454–460 (with A. H. Smith).
- 1948e Emendations to our proposals concerning the nomenclature of the gill fungi. *Mycologia* **48**: 627–629 (with A. H. Smith).
- 1949a The genus *Gomphidius* Fries in North America. *Mycologia* **41**: 462–489.
- 1949b [Materials for the flora of pileate fungi of the "Kivach" Game Preserve of the Karelo-Finnish SSR]. In: M. V. Freundling. *Izv. Karelo-Finsk. fil. AN SSSR* **4**: 84–97.
- 1949c The Agaricales in modern taxonomy. *Lilloa* **22**: 1–832. [published in 1951]
- 1950a New and interesting species of Basidiomycetes. III. *Syndowia* **4**: 130–157.
- 1950b Les Russules de l'Argentine. *Revue de Mycologie* **15**: 125–137.
- 1950c Die Höheren Pilze Argentiniens. *Schweizerische Zeitschrift für Pilzkunde* **28**: 181–196.
- 1950d Zwei neue Pilzarten in den Alpen. *Schweizerische Zeitschrift für Pilzkunde* **28**: 196–200.
- 1950e Supplementary notes on the genera *Campanella* and *Favolaschia*. *Lloydia* **13**: 249–258.
- 1950f Novye osnovy dlya klassifikatsii *Panus* y rodstvennykh rodov [New bases for the classification of *Panus* and related genera]. Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR, ser. II, **6**: 375–387.
- 1950g K izucheniyu roda *Amanita* v SSSR [Amanita in the USSR]. Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR, ser. II, **6**: 388–401.
- 1950h *Naucoria* Fries y blizkiye rody v SSSR [*Naucoria* Fries and related genera in the USSR]. Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR, ser. II, **6**: 402–498.
- 1950i New genera of fungi. VI. *Descolea antarctica*, genero y especie nuevos de Tierra del Fuego. *Lilloa* **23**: 255–258.
- 1950j Type studies on Basidiomycetes. IV. *Lilloa* **23**: 147–246. [published in 1952]
- 1950k [A manual of the collection of basidiomycetous fungi for their scientific study.] Trudy Botaničeskogo Instituta imeni V. L. Komarova Akademii Nauk SSSR, ser. II, **6**: 499–543 (with A. S. Bondartsev).
- 1950l Should Dr. D. P. Rogers' proposals for the regulation for fixing generic types be accepted as published in *Mycologia* **41**: 219, 1949? *Mycologia* **42**: 195–197.
- 1951a Antibiotic activity and formation of ectotrophic mycorrhiza in relation to natural affinity in the classification of the Basidiomycetes. Seventh International Botanical Congress Proceedings. 401–402.
- 1951b New genera of fungi. V. *Mycologia* **43**: 598–604.
- 1951c *Thaxterogaster*—a new link between Gasteromycetes and Agaricales. *Mycologia* **43**: 215–228.
- 1951d Type studies on Basidiomycetes. V. *Syndowia* **5**: 445–475.
- 1951e Pródromo de la Flora Agaricina Argentina. *Lilloa* **25**: 5–461 (with A. P. Digilio). [published in 1952]
- 1951f Die Nomenklatur der höheren Pilze. *Schweizerische Zeitschrift für Pilzkunde* **29**: 204–228.
- 1952a Type studies on Basidiomycetes. VII. *Syndowia* **6**: 344–351.
- 1952b Russulaceae of Trinidad and Venezuela. *Kew Bulletin* 1952: 295–301.
- 1952c The agarics of the Argentine sector of Tierra del Fuego and limitrophous regions of the Magallanes area. I. White and pink spored groups. *Syndowia* **6**: 165–226.
- 1952d Le genre *Gloiocephala* Massee. *Revue de Mycologie* **17**: 161–164.
- 1952e Type studies on agarics. III. *Lilloa* **25**: 463–514.
- 1952f Review of: A dictionary of color. 2nd ed. *Mycologia* **44**: 267–269 (with A. P. Digilio).
- 1953a The agarics of the Argentine sector of Tierra del Fuego and limitrophous regions of the Magallanes area. II. The brown-spored genera (except *Cortinarius*). *Syndowia* **7**: 206–265.
- 1953b Quelques Agarics nouveaux de l'Argentine. *Revue de Mycologie* **18**: 3–23.
- 1953c Four years of mycological work in southern South America. *Mycologia* **45**: 865–891.
- 1953d Type studies on Basidiomycetes. VI. *Lilloa* **26**: 57–159.
- 1953e Review of: Les Agaricales. II. Russulacées, Hyphomycetacées, Gomphidiacées, Paxillacées, Boletacées, by P. Konrad and A. Maublanc. *Mycologia* **45**: 477–478.
- 1953f Review of: Russula-Monographie (Die Pilze Mitteleuropas, Band III), by J. Schäffer. *Mycologia* **45**: 478–480.
- 1954a Part VI. Fungi, pp. 451–462. In: Polunin, N., ed., *The Cryptogamic Flora of the Arctic*. *Botanical Review* **20**: 361–476.
- 1954b Agaricales von Nahuel Huapi. *Syndowia* **8**: 100–157.
- 1954c Über Pilzbestimmung. *Schweizerische Zeitschrift für Pilzkunde* **32**: 101–108.
- 1954d Review of: Flore analytique des Champignons Supérieurs (Agarics, Bolets, Chanterelles) comprenant les espèces de l'Europe occidentale et centrale ainsi la plupart de celles de l'Algérie et du Maroc, by R. Kühner and H. Romagnesi. *Mycologia* **46**: 129–132.

- 1954e New data of affinities of certain Agaricales and certain Gasteromycetes of South America. Eighth International Botanical Congress Proceeding. 29–30.
- 1954f Pages 554–555, 565–566, 571. In: Hueck K. Der Anden-Erlenwald (die *Alnus jorullensis*-Assoziation) in der Provinz Tucumán (Argentinien). Festschrift für Erwin Aichinger zum 60. Geburtstag. Sonderfolge der Schriftenreihe Angewandte Pflanzensoziologie 1: 512–572.
- 1955a New and interesting species of Basidiomycetes. IV. Mycologia 47: 763–777.
- 1955b Agaricales from Tristan da Cunha. Results of the Norwegian Scientific Expedition to Tristan da Cunha 1937–1938. 38: 15–18.
- 1955c Un Clitocybe cortiqué et un Clitocybe faux. Bulletin de la Société Mycologique de France 71: 147–152.
- 1955d New species of Agaricales from Pernambuco. Anais da Sociedade de Biología de Pernambuco 13: 225–229.
- 1955e New species of *Galerina*. Mycologia 47: 557–596 (with A. H. Smith).
- 1955f Type studies on Basidiomycetes. VIII. Sydowia 9: 367–431.
- 1955g Basidioneuromycosis on man. Anais da Sociedade de Biología de Pernambuco 13: 52–60 (with A. C. Batista and J. A. Maia).
- 1955h "Asiatische" und "Amerikanische" Pilze in Europa. Zeitschrift für Pilzkunde 21: 1–4.
- 1955i The nomenclature of *Armillaria*, *Hypholoma* and *Entoloma*. Mycologia 47: 147–149.
- 1955j Staude redivivus. Mycologia 47: 270–272.
- 1955k "Basidiomycetes of South America"—Report of committee on research. Yearbook of the American Philosophical Society for 1954, Geological & Biological Sciences. 166–168.
- 1955l Die Pilznomenklatur seit 1954. Schweizerische Zeitschrift für Pilzkunde 33: 137–143.
- 1955m Die Pilznomenklatur seit 1954. Schweizerische Zeitschrift für Pilzkunde 33: 165–170.
- 1955n Le genre *Melanomphalia* Christiansen. Revue de Mycologie 20: 12–17.
- 1956a New genera of fungi. VII. Mycologia 48: 719–727.
- 1956b A fungus collected in the Antarctic. Sydowia Beihefte I: 16–23.
- 1956c Contributions towards a monograph of the genus *Pluteus*. Transactions of the British Mycological Society 39: 145–232.
- 1956d Versuch einer Zusammenstellung der Arten der Gattung *Phaeomarasmius*. Schweizerische Zeitschrift für Pilzkunde 34: 44–47, 53–65.
- 1956e *Boletus luridus* in North America. Mycologia 48: 768–769.
- 1956f The *Armillariella mellea* group. Lloydia 19: 176–187.
- 1956g The *Pleurotus-hirtus*-complex. Mycologia 48: 852–859.
- 1956h *Campbellia africana* and *Versipellis variegata*. Taxon 5: 30–33.
- 1956i Die Pilznomenklatur seit 1954. Schweizerische Zeitschrift für Pilzkunde 34: 33–43.
- 1957a Fungi Mexicanani, series prima—Agaricales. Sydowia 11: 354–374.
- 1957b New and interesting species of Basidiomycetes. V. Sydowia 11: 141–272.
- 1957c Las Boletaceas Austrosudamericanas. Lilloa 28: 247–268 (with A. P. Digilio).
- 1957d The genus *Galerina*: An outline of its classification. Sydowia 11: 446–453 (with A. H. Smith).
- 1957e Un nuevo hongo fósil de los bosques petrificados de Santa Cruz, Prov. Patagonia. Ameghiniana (Buenos Aires) 1: 40–41 (with S. Archangelsky).
- 1957f Sacred mushrooms inspire medical research. Chicago Natural History Museum Bulletin 28(12): 7.
- 1957g Neue Literatur: The Russulas, by W. R. Arde. Sydowia 11: 473–474.
- 1957h New genera of fungi X—*Pachylepyrium*. Sydowia 11: 320–322. [published in 1958]
- 1957i Neuere Tendenzen in der Systematik und Klassifikation der Basidiomyceten. Schweizerischen Zeitschrift für Pilzkunde 35: 33–43.
- 1958a New genera of fungi. VIII. Notes concerning the sections of the genus *Marasmius* Fr. Mycologia 50: 103–110.
- 1958b New genera of fungi. IX. The probable ancestor of the Strophariaceae: *Weraroa* gen. nov. Lloydia 21: 45–47.
- 1958c Studies on secotiaceous fungi. VIII. A new genus in the Secotiaceae related to *Gomphidius*. Mycologia 50: 927–938 (with A. H. Smith).
- 1958d Fungi Mexicanani, series secunda—Agaricales. Sydowia 12: 221–243.
- 1958e Studies towards a monograph of the South American species of *Marasmius*. Sydowia 12: 54–148.
- 1958f Pilze, die Zerebralmyzetismen verursachen. Schweizerische Zeitschrift für Pilzkunde 36: 81–89.
- 1958g Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. I. The genus *Pluteus* in South America. Lloydia 21: 195–299.
- 1958h Mycological investigation on Teonanácatl, the Mexican hallucinogenic mushroom. Part II. A taxonomic monograph of *Psilocybe*, Section *Caerulescens*. Mycologia 50: 262–303 (with A. H. Smith).
- 1958i New species of *Galerina*. Mycologia 50: 469–489 (with A. H. Smith).
- 1958j A petrified basidiomycete from Patagonia. American Journal of Botany 45: 194–198 (with S. Archangelsky).
- 1958k New species of *Psilocybe*. Mycologia 50: 141–142 (with A. H. Smith).
- 1958l A new species of *Psathyrella*. Lloydia 21: 26–28 (with A. H. Smith and G. Gúzman Huerta).
- 1958m Studies on secotiaceous fungi. I. A monograph of the genus *Thaxterogaster*. Brittonia 10: 201–216 (with A. H. Smith).
- 1958n Studies on secotiaceous fungi. II. *Endoptychum depresso*. Brittonia 10: 216–221 (with A. H. Smith).

- 1958o Studies on secotiaceous fungi. III. The genus *Weraroa*. Bulletin of the Torrey Botanical Club **85**: 324–334 (with A. H. Smith).
- 1958p The meaning of the affinity of the Secotiaceae with the Agaricales. *Sydowia* **12**: 1–43.
- 1958q Observations on agarics causing cerebral mycetisms. *Mycopathologia et Mycologia Applicata* **9**: 261–284 (with S. I. Stein, R. W. Ames, and A. H. Smith).
- 1958r Mycological investigation on Teonanáctl, the Mexican hallucinogenic mushroom. Part I. The history of Teonanáctl, field work and culture work. *Mycologia* **50**: 239–261.
- 1958s Libri novi: Immunodiagnostika Aktinomicoza [Immunodiagnostic of Actinomycosis], by D. I. Asnin. *Mycopathologia et Mycologia Applicata* **9**: 259–260.
- 1959a Contributions towards a monograph of the genus *Pluteus*. II. Transactions of the British Mycological Society **42**: 223–226.
- 1959b New and interesting species of Basidiomycetes. VI. *Mycologia* **51**: 375–400.
- 1959c Basidiomycetes from Masatierra (Juan Fernandez Islands, Chile). *Arkiv för Botanik*, ser. 2, **4**: 371–400.
- 1959d A new species of the genus *Weraroa* from South America. *Darwiniana* **11**: 607–610 (with J. Wright).
- 1959e Studies in secotiaceous fungi. VI. *Setchelliogaster* Pouzar. *Madroño* **15**: 73–79 (with A. H. Smith).
- 1959f Studies on secotiaceous fungi. IV. *Gastroboletus*, *Truncocolumella*, and *Chamonixia*. *Brittonia* **11**: 205–223 (with A. H. Smith).
- 1959g Studies on secotiaceous fungi. V. *Nivatogastrum* gen. nov. *Brittonia* **11**: 224–228 (with A. H. Smith).
- 1959h Hongos alucinogenos. *Boletín de Academia Nacional de Ciencias, Córdoba*, **41**: 31–46.
- 1959i Dos géneros de hongos nuevos para Argentina. *Boletín de la Sociedad Argentina de Botánica* **8**: 9–13.
- 1959j Micorrizas y comunidades forestales. Ninth International Botanical Congress Proceedings 2: IIA (with J. Morello).
- 1959k Type studies on Basidiomycetes. IX. *Sydowia* **13**: 235–238.
- 1959l Libri novi: Candidosy (vozbuditeli, klinika, i epidemiologija) [Candidoses (causative agents, clinical data, and epidemiology)], by P. N. Kashkin. *Mycopathologia et Mycologia Applicata* **11**: 170–171.
- 1959m Notes on Boletes. XI. *Mycologia* **51**: 564–577 (with W. H. Snell and E. A. Dick). [published in 1960]
- 1959n New and interesting species of Basidiomycetes. VII. *Mycologia* **51**: 578–594. [published in 1960]
- 1960a New genera of fungi. XI. A marasmoid agaric with bilateral trama. *Lilloa* **30**: 375–379.
- 1960b Dos especies interesantes de Agaricales en Punta Lara. *Boletín de la Sociedad Argentina de Botánica* **8**: 216–218.
- 1960c *Pluteus lilacinus*. *Mycologia* **52**: 337–338.
- 1960d Three new species of Secotiaceae from Patagonia. *Persoonia* **1**: 385–391.
- 1960e Studies on secotiaceous fungi. VII. *Secotium* and *Neosecotium*. *Madroño* **15**: 152–158 (with A. H. Smith).
- 1960f Monographs of South American Basidiomycetes especially those of the east slope of the Andes and Brazil. III. Reduced marasmoid genera in South America. *Sydowia* **14**: 258–280.
- 1960g Persoon's Synopsis 1801 as starting point for all fungi. *Taxon* **9**: 35–37.
- 1960h Studies on secotiaceous fungi. IX. The Astrograstaceous series. Memoirs of the Torrey Botanical Club **21**: 1–112 (with A. H. Smith).
- 1960i Las boletaceas de Sudamerica tropical. *Lilloa* **30**: 141–164 (with A. P. Digilio).
- 1960j Sobre algunas especies de hongos presumiblemente psicotropicos. *Lilloa* **30**: 117–127.
- 1960k Ectotrophic forest tree mycorrhizae and forest communities. *Ecology* **41**: 549–551 (with J. H. Morello).
- 1961a Monographs of South American Basidiomycetes especially those of the east slope of the Andes and Brazil. IV. *Inocybe* in the Amazone region with a supplement to part I (*Pluteus* in South America). *Sydowia* **15**: 112–132.
- 1961b Diagnoses fungorum novorum Agaricalium. II. *Sydowia* **15**: 45–83.
- 1961c Two genera of fungi new for South America. *Vellozia* **1**: 14–19. [published in 1962]
- 1961d *Macrolepiota olivascens*. *Schweizerische Zeitschrift für Pilzkunde* **39**: 154–155 (with M. Moser).
- 1961e Type studies on Basidiomycetes. X. *Persoonia* **2**: 1–62.
- 1961f Type studies on agarics. IV. *Sydowia* **15**: 133–151.
- 1961g Mushrooms and truffles: botany, cultivation, utilization. Leonard Hill, London. 272 pp.
- 1961h Fungi of northern Brazil. Universidade do Recife Instituto de Micología **304**: 1–26.
- 1961i Review of: Die Gattung *Phlegmacium* (Schleimköpfe). (Die Pilze Mitteleuropas, Band IV), by M. Moser. *Mycologia* **52**: 823–825.
- 1961j Nomina conservanda proposita (*Rhodophyllus*). *Taxon* **10**: 249–251.
- 1962a Monographs of South American Basidiomycetes especially those of the east slope of the Andes and Brazil. V. Gasteromycetes with agaricoid affinities (secotiaceous Hymenogastrineae and related forms). *Boletín de la Sociedad Argentina Botánica* **10**: 52–67.
- 1962b New genera of fungi. VIII. *Persoonia* **2**: 407–415.
- 1962c The Agaricales in Modern Taxonomy. 2nd ed. Verlag J. Cramer, Weinheim. 915 pp.
- 1962d Estudio sobre los Basidiomicetes Antárticos. Contribución del Instituto Antártico Argentino (Buenos Aires) **71**: 3–45 (with A. Corte).
- 1962e. A study of Antarctic Basidiomycetes. Pp. 161–163. In: *Biologie Antarctique*, Hermann, Paris (with A. Corte).
- 1962f Review of: Flora Czechoslovak Republic–Gasteromycetes, Houby-Břichatky (Gasteromycetes-puff-balls), A. Pilát., ed. *Mycologia* **52**: 968–970.
- 1962g Review of: The Biology of Mycorrhiza, by J. L. Harley. *Mycologia* **52**: 970–972.

- 1962h Review of: Champignons Comestibles et Vénéneux, by M. Locquin and B. Cortin. *Mycologia* **53**: 314–316.
- 1962i Keys for the determination of the Agaricales. Verlag J. Cramer, Weinheim. 64 pp.
- 1963a New genera of fungi. XI—*Endolepiotula*. *Sydotia* **16**: 260–262.
- 1963b Oak mycorrhiza fungi in Colombia. *Mycopathologia et Mycologia Applicata* **20**: 239–252.
- 1963c Notes on secoziaceous fungi: *Galeropsis* and *Brauniella*. Koninklijke Nederlandse Akademie van Wetenschappen—Amsterdam, Proceedings, Series C, **66**: 106–117.
- 1963d Monographs of South American Basidiomycetes especially those of the east slope of the Andes. VI. “Mesophelliaceae” and “Cribbeaceae” of Argentina and Brazil. *Darwiniana* **12**: 598–611 (with J. E. Wright and E. Horak).
- 1963e *Skepperiella populi* y la filogenia de las “Cyphellaceae.” *Boletin de la Sociedad Argentina Botánica* **10**: 209–214.
- 1963f Four interesting European Russulæ of subsections *Sardoinæ* and *Urentinæ*, sect. *Russula*. *Sydotia* **16**: 289–301.
- 1963g The delimitation of the genus *Pseudobaeospora*. *Mycologia* **55**: 13–17.
- 1963h Un hongo nuevo comestible de Sudamérica. *Boletin de la Sociedad Argentina de Botánica* **10**: 207–208.
- 1963i Der “Ektotroph”, seine Definition, geographische Verbreitung und Bedeutung in der Forstökologie, pp. 223–231. In: International Mykorrhiza-Symposium. Weimar, 1960.
- 1963j Beitrag zur Frage der *Stropharia imaina* Benedix. *Zeitschrift für Pilzkunde* **29**: 107–109.
- 1963k Paraphyses. *Taxon* **12**: 147–150 (with I. J. Gamundi).
- 1963l A revision of the genus *Thaxterogaster* Singer. *Madroño* **17**: 22–26 (with A. H. Smith).
- 1963m The genus *Fuscoboletinus*. *Mycologia* **55**: 352–357 (with W. H. Snell and E. A. Dick).
- 1963n The Herpell method of preparing fleshy fungi. *Mycologia* **55**: 683–684.
- 1964a New genera of fungi XII: *Hybogaster*. *Sydotia* **17**: 12–16.
- 1964b New genera of fungi XIII—*Rhodoarhenia*. *Sydotia* **17**: 142–145.
- 1964c Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. VII. Boletes and Related Groups in South America—The families Paxillaceae, Gomphidiaceae, Boletaceae and Strobilomycetaceae. *Nova Hedwigia* **7**: 93–132.
- 1964d Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. VIII. Oudemansiellinae, Macrocytidiinae, Pseudohiatulinæ in South America. *Darwiniana* **13**: 145–190.
- 1964e Die Gattung *Gerronema*. *Nova Hedwigia* **7**: 53–92.
- 1964f *Marasmius congolais* recueillis par Mme. Goossens-Fontana et d'autres collecteurs Belges. *Bulletin du Jardin Botanique de l'état Bruxelles* **34**: 317–388.
- 1964g Areal und ökologie des Ektotrophs in Südamerika. *Zeitschrift für Pilzkunde* **30**: 8–14.
- 1964h A monograph of the genus *Galerina* Earle. Hafner Publishing Company, New York. 384 pp. (with A. H. Smith).
- 1964i Las Setas y Las Trufas. Leonard Hill (Books) Ltd., Mexico D. F. 467 pp. [Spanish translation of 1961g]
- 1964j Studies on secoziaceous fungi. X. Additional data on *Gastroboletus*. *Mycologia* **56**: 310–313 (with A. H. Smith).
- 1965a Die Röhrlinge. I. Die Boletaceae (Die Pilze Mitteleuropas, Band V). Verlag Klinkhardt, Bad Heilbrunn. 131 pp.
- 1965b *Marasmius*. Flore iconographique des champignons du Congo **14**: 253–278, 3 plates. Jardin Botanique de l'état, Bruxelles.
- 1965c Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. II. The genus *Marasmius* in South America. *Sydotia* **18**: 106–358.
- 1965d Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. X. *Xeromphalina*. *Boletin de la Sociedad Argentina Botánica* **10**: 302–310.
- 1965e Interesting and new Agaricales from Brazil. Atlas do Instituto de Micología (Universidade Federal de Pernambuco) **2**: 15–59.
- 1965f Two interesting Basidiomycetes from the State of São Paulo. *Rickia* **2**: 11–16 (with O. Fidalgo).
- 1965g Typification of revalidated pre-starting point taxa. *Taxon* **14**: 180–184.
- 1965h Schlüssel zur Bestimmung der Familien und Gattungen der Basidiomyzetenordnung Agaricales. Separatdruck aus der Schweizerische Zeitschrift für Pilzkunde 1965/66: 1–44.
- 1965i Forest mycology and forest communities in South America. I. The early fall aspect of the mycoflora of the Cordillera Pelada (Chile), with a mycogeographic analysis and conclusions regarding the heterogeneity of the Valdivian Floral district. *Mycopathologia et Mycologia Applicata* **26**: 129–191 (with M. Moser and the collaboration of I. Gamundi, E. R. de la Sota and G. Sarmiento).
- 1965j Review of: A contribution toward a monograph of North American species of *Suillus*, by A. H. Smith and H. Thiers. *Mycologia* **57**: 669–674.
- 1965k Una nueva especie de *Hohenbuehelia* sobre stipa. Revista de la Facultad de Ciencias Agrarias, Universidad Nacional de Cuyo (Mendoza) **12**: 165–167.
- 1966a Notes on cyphellaceous fungi. *Darwiniana* **14**: 9–18.
- 1966b Macromycetes del Suelo de Bosques incendiados, pp. 589–601. In: Piterbarg, R. O., ed., Impacto de los incendios naturales sobre los hongos rizopobladores en plantulas de *Nothofagus dombeyi*. Simposio de Microbiología del Suelo, Bahía Blanca, 1966.
- 1966c The type of *Boletus amabilis*. *Mycologia* **58**: 157–159.

- 1966d Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. IX. *Tricholoma* in Brazil and Argentina. *Darwiniana* **14**: 19–35.
- 1967a La Micología y los recursos naturales renovables. Noticiario mensual Museo Nacional de Historia Natural **11**: 7–9.
- 1967b Nuevos hongos descubiertos en Chile. *Biológica* (Santiago) **41**: 69–71.
- 1967c Some Agaricales from the Congo. *Persoonia* **4**: 355–377 (with K. Grinling).
- 1967d Notes sur le genre *Laccaria*. *Bulletin de la Société Mycologique de France* **83**: 104–123.
- 1967e Die Röhrlinge. II. Die Boletoidae und Strobilomycetaceae (Die Pilze Mitteleuropas, Band VI). Verlag Klinkhardt, Bad Heilbrunn. 151 pp.
- 1967f Fungi distribution. Antarctic Map Folio series 5, pp. 16–17. In: Greene, S. W., J. L. Gressitt, D. Koob, G. A. Llano, E. D. Rudolph, R. Singer, W. C. Steere, and F. C. Ugolini, eds., *Terrestrial life of Antarctica*. American Geographical Society of New York, 24 pp.
- 1967g Proposal to conserve the generic name *Rhodophyllum* Quél [Fungi]. *Taxon* **16**: 242–243.
- 1967h Review of: Die unterirdischen Pilze des Karpathenbeckens, by L. Szemere. *Mycologia* **58**: 985–986.
- 1968a Sand-dune inhabiting fungi of the South Atlantic coast from Uruguay to Bahía Blanca. *Mycopathologia et Mycologia Applicata* **34**: 129–143.
- 1968b Review of: Les Russules d'Europe et d'Afrique du Nord, by H. Romagnesi. *Mycologia* **60**: 1127–1130.
- 1969a Mycoflora Australis. Beihefte zur Nova Hedwigia **29**: 1–405.
- 1969b Augusto Chaves Batista. *Sydowia* **22**: 343–359.
- 1969c Alberto Castellanos 1896–1968. *Taxon* **18**: 308–309.
- 1970a Flora Neotropica Monograph No. 3. Omphalinae (*Clitocybe*-*Tricholomataceae*, Basidiomycetes). Hafner Publishing Co., New York & London. 84 pp.
- 1970b Flora Neotropica Monograph No. 4. *Phaeocollybia* (*Cortinariaceae*-Basidiomycetes). Hafner Publishing Co., New York & London. 13 pp.
- 1970c Flora Neotropica Monograph No. 5. Strobilomycetaceae (Basidiomycetes). Hafner Publishing Co., New York & London. 34 pp.
- 1970d New agarics from South America. *Nova Hedwigia* **20**: 785–792.
- 1970e The topotype of *Boletus amabilis* Peck. *Mycologia* **62**: 590–596.
- 1970f *Armillariella mellea*. Schweizerische Zeitschrift für Pilzkunde **48**: 25–29, 65–69.
- 1971a Two new ectotroph-forming boletes from India. *Mycopathologia et Mycologia Applicata* **43**: 25–33 (with B. Singh).
- 1971b Neue Arten von Agaricales. Schweizerische Zeitschrift für Pilzkunde **49**: 118–128 (with H. Clémenton).
- 1971c Forest mycology and forest communities in South America. II. Mycorrhiza sociology and fungus succession in the *Nothofagus dombeyi*-*Austrocedrus chilensis* woods of Patagonia, pp. 204–215. In: Hac-skaylo, E., ed., *Mycorrhizae*, Proceedings of the First North American Conference on Mycorrhizae. Government Printing Office, Washington, D. C.
- 1971d A revision of the genus *Melanophaalia* as a basis for the phylogeny of the Crepidotaceae, pp. 441–474. In: Petersen, R. H., ed., *Evolution of the Higher Basidiomycetes*. University of Tennessee Press, Knoxville.
- 1971e Bayesian analysis of generic relations in Agaricales. *Nova Hedwigia* **21**: 753–787 (with R. E. Machoal).
- 1972a New Basidiomycete from the Antarctic, pp. 179–180. In: Llano, G. A., ed., *Antarctic Terrestrial Biology*. Antarctic Research Series 20.
- 1972b Notes on some leucosporous and rhodosporous European agarics. *Nova Hedwigia* **23**: 305–351 (with H. Clémenton).
- 1972c Cyanophilous spore walls in the Agaricales and agaricoid Basidiomycetes. *Mycologia* **64**: 822–829.
- 1973a The genera *Marasmiellus*, *Crepidotus* and *Simocybe* in the Neotropics. Beihefte zur Nova Hedwigia **44**: 1–517.
- 1973b Notes on bolete taxonomy. *Persoonia* **7**: 313–320.
- 1973c The *Marasmius*-blight fungus. *Mycologia* **65**: 468–473 (with L. T. Lucas and T. D. Warren).
- 1973d Diagnoses fungorum novorum Agaricalium. III. Beihefte zur Sydowia **7**: 1–106.
- 1973e Nomenclatorial status of *Gomphidius* Fries. *Taxon* **22**: 445–446.
- 1973f Marinus Anton Donk (1908–1972). *Mycologia* **65**: 503–506.
- 1973g Review of: The North American Species of *Psathyrella*, by A. H. Smith. *Mycologia* **65**: 975–976.
- 1973h Using Micheli as a field book. *McIlvainea* **1**(2): 14–18 (with R. E. Machoal).
- 1973i Review of: Die Grundzüge eines natürlichen Systems der Pilze, by H. Kreisel. *Mycologia* **65**: 1378–1380.
- 1974a Notes on *Galerina*. *Bulletin mensuel de la Société Linnéenne de Lyon*, numéro spécial **43**: 389–405.
- 1974b A monograph of *Favolaschia*. Beihefte zur Nova Hedwigia **50**: 1–108.
- 1975a The Agaricales in Modern Taxonomy. 3rd ed., Verlag J. Cramer, Vaduz. 912 pp.
- 1975b Interesting and new species of Basidiomycetes from Ecuador. Beiheft zur Nova Hedwigia **51**: 239–246.
- 1975c The neotropical species of *Campanella* and *Aphyllotus* with notes on some species of *Marasmiellus*. *Nova Hedwigia* **26**: 847–896.
- 1975d Supplement to “Agaricales in Modern Taxonomy.” *Nova Hedwigia* **26**: 435–436.
- 1975e Albert Pilát (1903–1974). *Mycologia* **67**: 445–447.
- 1975f Tropical Russulaceae: *Lactarius* sect. *Polysphaerophori* in the Gulf area. *Nova Hedwigia* **26**: 897–901.
- 1975g Review of: Hřibovité Huby, by A. Pilát and A. Dermek. *Mycologia* **67**: 440–441.

- 1975h Review of: Agarikovye Shlyapochnye Griby (Por. Agaricales) Primorskovo Kraya [Die Blätterpilze und Röhrlinge (Agaricales) von Primorsky Region], by L. N. Vassilieva. *Mycologia* **67**: 1076.
- 1976a *Marasmieae* (Basidiomycetes-Tricholomataceae). *Flora Neotropica Monograph No. 17*. New York Botanical Garden, Bronx, New York. 347 pp.
- 1976b Le genre *Lepista* et la nomenclature correcte. *Bulletin de la Société Mycologique de France* **92**: 127–128.
- 1976c An interesting subspecies of *Boletus erythropus* (Fr. ex Fr.) Krombh. *česká Mykologie* **30**: 1–2 (with A. Dermek and J. Kuthan).
- 1976d Louis Secretan (1758–1839). *Schweizerische Zeitschrift für Pilzkunde* **54**: 81–86 (with C. Rège).
- 1976e Notes on *Chroogonophus* (Gomphidiaceae). *česká Mykologie* **30**: 81–89 (with J. Kuthan).
- 1976f An early-fruiting *Armillariella*. *Kew Bulletin* **31**: 433–435.
- 1976g Einige interessante europäische Hygrophoraceae. *Zeitschrift für Pilzkunde* **42**: 5–13 (with J. Kuthan).
- 1976h Notes on Boletes. *česká Mykologie* **30**: 143–155 (with J. Kuthan).
- 1976i Agaricales nouvelles des Antilles Françaises. *Bulletin de la Société Mycologique de France* **92**: 445–447 (with J. P. Fiard).
- 1976j Amparoainaceae and Montagneaceae. *Revue de Mycologie* **40**: 57–64.
- 1977a Praktische Anwendung der Erkenntnisse über die ektotrophe Mykorrhiza bei Waldbäumen. *Allgemeine Forstzeitung (Wien)* **88**: 53–56.
- 1977b A new species of *Gastroboletus* and its phylogenetic significance. *Mycologia* **69**: 59–72 (with E. E. Both).
- 1977c Amerikanische und Asiatische Agaricales, die in Europa und Nordafrika vorkommen. *Zeitschrift für Pilzkunde* **43**: 119–130.
- 1977d Die Gruppe der *Laccaria laccata* (Agaricales). *Plant Systematics and Evolution* **126**: 347–370.
- 1977e An interpretation of *Palaeosclerotium*. *Mycologia* **69**: 850–854.
- 1977f Are Secretan's fungus names valid? *Taxon* **26**: 251–255 (with R. E. Machol).
- 1977g Keys for the identification of the species of Agaricales. I. *Sydowia* **30**: 192–279.
- 1977h Controle de vassoura-de-bruxa. *Acta Amazonica* **7**: 570.
- 1977i The species concept in Agaricales and its adaptation to taxonomy, pp. 381–392. In: Clémenton, H., ed., *Species Concept in Hymenomycetes*. Herbarium Symposium. *Bibliotheca Mycologica* 61.
- 1977j Review of: A Monographic Study of the Genus *Pouzarella*, a New Genus in the Rhodophyllaceae, Agaricales, Basidiomycetes, by S. J. Mazzar. *Mycologia* **69**: 215–216.
- 1977k Review of: Memoirs of the New York Botanical Garden Vol. 28, No. 1. *Mycologia* **69**: 216–217.
- 1977l Taxonomic position of *Hydropus floccipes* and allied species—a quantitative approach. *Mycologia* **69**: 1162–1172 (with R. E. Machol).
- 1978a Notes on bolete taxonomy. II. *Persoonia* **9**: 421–438.
- 1978b *Omphalia alutacea*. *Schweizerische Zeitschrift für Pilzkunde* **56**: 154–156.
- 1978c On *Calocybe* names. *Mycotaxon* **6**: 500–502 (with S. A. Redhead).
- 1978d Review of: A Preliminary Agaric Flora of East Africa, by D. N. Pegler. *Mycologia* **70**: 476–477.
- 1978e Origins of the deficiency of Amazonian soils—a new approach. *Acta Amazonica* **8**: 315–316.
- 1978f Keys for the identification of the species of Agaricales. II. *Sydowia* **31**: 193–237.
- 1978g Hallucinogenic mushrooms, pp. 201–214. In: Rumack, B. H., and E. Salzman, eds., *Mushroom Poisoning: Diagnosis and Treatment*. CRC Press, West Palm Beach, Florida.
- 1978h Interesting and new species of Basidiomycetes from Ecuador. II. *Nova Hedwigia* **29**: 1–98.
- 1979a A new psilocybian species of *Copelandia*. *Journal of Natural Products* **42**: 469–474 (with R. A. Weeks and W. L. Hearn).
- 1979b Litter decomposition and ectomycorrhiza in Amazonian forests. *Acta Amazonica* **9**: 25–41 (with I. Araujo).
- 1979c Höhlenbewohnende Agaricales. *Sydowia* **32**: 299–304 (with U. Passauer).
- 1980a Comparison of some lignicolous white-spored American agarics with European species. *česká Mykologie* **34**: 57–73 (with J. Kuthan).
- 1980b Review of: North American Species of *Lactarius*, by L. R. Hesler and A. H. Smith. *Mycologia* **72**: 649.
- 1980c New taxa of *Russula* from the Lesser Antilles. *Mycotaxon* **12**: 92–96 (with D. N. Pegler).
- 1981a New genera of Agaricales. *Mycologia* **73**: 500–510.
- 1981b *Resinomyces* gen. nov. (Agaricales), an ally of *Hydropus*, *Mycena* and *Baeospora*. *Mycotaxon* **13**: 150–170 (with S. A. Redhead).
- 1981c Illustrations of tropical Agaricales. *Nova Hedwigia* **35**: 151–156.
- 1981d Notes on Bolete Taxonomy. III. *Persoonia* **2**: 269–302.
- 1982a Galeropsidaceae west of the Rocky Mountains. *Mycotaxon* **14**: 82–90 (with P. Ponce de León).
- 1982b Notes on *Russula* taxonomy. I. The Russulaceae of Catalonia. *Collectanea Botánica* **13**: 669–700.
- 1982c North Indian Agaricales. II. *Sydowia* **35**: 236–241 (with S. S. Saini and N. S. Atri).
- 1982d Basidiomycetes of Costa Rica. I. *Brenesia* **19/20**: 31–47 (with L. D. Gómez).
- 1982e *Hydropus* (Basidiomycetes-Tricholomataceae-Myceneae). *Flora Neotropica Monograph No. 32*. New York Botanical Garden, Bronx, New York. 153 pp.
- 1982f A Correction by Rolf Singer. *Botanical Museum of Harvard University* **8**: 1–5.
- 1983a Weiss-und rosasporige Agaricales (Tricholomataceae und Pluteaceae) aus österreich. *Sydowia* **36**: 277–287. [published in 1984]
- 1983b Problemas sistemáticos en los Agaricales. *Boletín de la Sociedad Mexicana de Micología* **18**: 13–19.

- 1983c Acanthocytes in *Amparoina* and *Mycena*. Cryptogamie Mycologie **4**: 111–115.
- 1983d The Sydney Rules and the Nomenclature of *Russula* species. Mycotaxon **18**: 191–200 (with R. E. Machol).
- 1983e Sister Mary Cecilia Bodman, 1905–1982. Mycologia **75**: 932–933 (with P. Ponce de León).
- 1983f The ectotrophically mycorrhizal fungi of the neotropical lowlands, especially central Amazonia. Beihefte zur Nova Hedwigia **77**: 1–352 (with I. Araujo and M. H. Ivory).
- 1984a Tropical Russulaceae. II. *Lactarius* section *Panuoides*. Nova Hedwigia **40**: 435–447.
- 1984b The role of fungi in Amazonian forests and in reforestation, pp. 603–614. In: Sioli, H., ed., The Amazon. Limnology and Landscape Ecology of a Mighty Tropical River and Its Basin. Dr. W. Junk Publishers, Dordrecht, Boston, Lancaster.
- 1984c Adaptation of higher fungi to Várzea conditions. Amazoniana **8**: 311–319.
- 1984d *Agaricus brunnescens* Peck and *Agaricus bisporus* (Lange) Imbach. Mycotaxon **20**: 479–482.
- 1984e Three proposals to amend the Code. Taxon **33**: 745–747.
- 1984f *Veloporphyrillus*, a new genus of Boletaceae from Costa Rica. Brenesia **22**: 293–298 (with L. D. Gómez).
- 1984g The Basidiomycetes of Costa Rica. III. The genus *Phylloporus* (Boletaceae). Brenesia **22**: 163–181 (with L. D. Gómez).
- 1985 Studies on Secotiaceous Fungi. I. A new species of *Cystangium*. Mycologia Helvetica **1**: 417–425.
- 1986a The Agaricales in Modern Taxonomy, 4th ed. Koeltz Scientific Books, Koenigstein, Federal Republic of Germany. 981 pp.
- 1986b The nomenclature of *Russula* species and the Sydney Rules. Persoonia **13**: 189–192 (with R. Machol).
- 1986c Litter decomposing and ectomycorrhizal basidiomycetes in an Igapó Forest. Plant Systematics and Evolution **153**: 107–117 (with I. A. Aguiar).
- 1986d How to become a mycologist. I. The conservation of material and notes. McIlvainea **7**(2): 18–23.
- 1986e A new species of *Psilocybe* (Agaricales). Plant Systematics and Evolution **151**: 295–301 (with A. Hausknecht).
- 1986f Basidiomyceten–Nomenklatur im kommenden Internationalen Botanischen Kongress, Berlin, Juli 1987. Zeitschrift für Mykologie **52**: 439–443.
- 1987a Mushrooms and Truffles, 2nd ed. Koeltz Scientific Books, Koenigstein, Federal Republic of Germany. 389 pp (with B. Harris).
- 1987b *Phaeocollybia* in the oak woods of Costa Rica, with notes on extralimital taxa. Mycologia Helvetica **2**: 247–266.
- 1987c *Mycena theobromicola*, a fungus associated with cacao pod rot. Mycologia **79**: 463–464.
- 1987d The starting point rules and stability of nomenclature. Plant Systematics and Evolution **156**: 177–181.
- 1987e How to become a mycologist. II. The teaching of mycology, especially Agaricales. McIlvainea **8**(1): 22–26.
- 1988a Agaricales mit Volva. Zeitschrift für Mykologie **54**: 41–44.
- 1988b Über einige Crepidotaceae. Zeitschrift für Mykologie **54**: 69–72.
- 1988c The role of fungi in periodically inundated Amazonian forests. Vegetatio **78**: 27–30.
- 1988d Notes on *Conocybe* (Bolbitiaceae). Plant Systematics and Evolution **159**: 107–121 (with A. Hausknecht).
- 1988e Notes on Neotropical *Austroboletus* species. Mycologia **80**: 46–53 (with C. B. Wolfe and R. Walsh).
- 1988f The phytogeography of the Boletineae (Basidiomycetes, Agaricales) based on Mexican species. Revista Mexicana de Micología **4**: 267–274.
- 1988g *Laccaria gomezii*, a new agaric species from the querceta of Colombia and Costa Rica. Mycotaxon **33**: 223–227 (with G. M. Mueller).
- 1988h How to become a mycologist. III. Mutualistic interactions. McIlvainea **8**(2): 10–11 (with G. M. Mueller).
- 1988i New tropical species in the Paxillaceae. Mycologia Helvetica **3**: 207–213 (with D. J. Lodge).
- 1989a New taxa and new combinations of Agaricales (Diagnoses Fungorum Novorum Agaricalium IV). Fieldiana: Botany, n.s., **21**: 1–133.
- 1989b Agaricales from Henderson Islands (South Pacific). Mycologia **81**: 793–796.
- 1989c *Conocybe hornana*—eine neue Art mit Volva aus Österreich (mit einer Farbtafel, siehe bei Seite 80). Beiträge zur Kenntnis der Pilze Mitteleuropas **5**: 87–91 (with A. Hausknecht).
- 1989d Reflections on Mycorrhizal Research, pp. 625–627. In: Stirton, C. H., and J. L. Zarucchi, eds., Advances in Legume Biology. Monographs in Systematic Botany from the Missouri Botanical Garden **29**.
- 1989e Two interesting fungi of the Western Hemisphere. The Mycologist **3**: 70–71 (with J. Garcia).
- 1989f Review of: Pareys Buch der Pilze, by M. Bon. Mycologia **81**: 826.
- 1990a The Boletineae of Mexico and Central America. I and II. Beihefte zur Nova Hedwigia **98**. 70 pp. (with J. Garcia and L. D. Gómez).
- 1990b *Clitocybe obsoleta*. Zeitschrift für Mykologie **56**: 5–7.
- 1990c New species of *Phylloporus* and *Tricholomopsis* from Colombia, with notes on *Phylloporus boletinoides*. Mycologia **82**: 452–459 (with C. L. Ovrebo and R. E. Halling).
- 1990d Some interesting agarics from eastern Austria. Plant Systematics and Evolution **170**: 133–150 (with A. Hausknecht).
- 1990e Agaricales new for Mexico or Central America. Anales del Instituto de Biología de la Universidad Nacional de Autónoma de México, Ser. Bot. **60**(1): 27–36.
- 1990f Upper Eocene gilled mushroom from the Dominican Republic. Science **248**: 1099–1101 (with G. O. Poinar, Jr.).
- 1990g A new species of *Melanophalalia* (Crepidotaceae). Mycotaxon **37**: 47–52 (with C. L. Ovrebo and D. P. Lewis).

- 1991a The Boletineae of Mexico and Central America. III. Beihefte zur Nova Hedwigia **102**. 97 pp. (with J. Garcia and L. D. Gómez).
- 1991b A new species of *Marasmius* from northwestern India. Nova Hedwigia **52**(1–2): 227–230 (with A. Kumar, T. N. Lakhanpal and S. L. Stephenson).
- 1992a The Boletineae of Mexico and Central America. IV. Beihefte zur Nova Hedwigia **105**. 62 pp. (with J. Garcia and L. D. Gómez).
- 1992b The group of *Conocybe mesospora* in Europe (Bolbitiaceae). Plant Systematics and Evolution **180**: 77–104 (with A. Hausknecht).
- 1992c Some boletes from Florida. Mycologia **84**: 724–728 (with R. Williams).
- 1994 Toward a definition of the genus in mycological taxonomy, pp. 92–94. In: Cléménçon, H., ed., Generic Concepts in Mycology. Proceedings of the Second Herbette Symposium in Lausanne, Switzerland, 1991. Mycologia Helvetica **6**.



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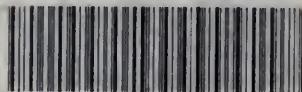
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